



BULLET PROOF

***Uncompromising Quality
in Bullet Resistant
Architectural Product
Designs and Materials***



CHICAGO BULLET PROOF SYSTEMS

2595 BOND ST.

UNIVERSITY PARK, ILLINOIS

60484

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LISTED AND LABELED

IMPORTANT !

**Make sure you ask for a UL
"listed and labeled assembly"**

**Read before specifying, estimating or buying any UL listed
bullet resistant products.**

BEWARE of and AVOID terms such as "complies with UL," "meets the requirements of UL," "tested to UL," "certified to UL," and "UL rated." Some will even say "UL level 3." If the assembly is not **UL listed and labeled**, then UL never tested it. Each UL assembly has a label affixed to it and has a UL file number. Without the label on the assembly, there is no guarantee that even the manufacturer has ballistically tested it.

If a product assembly is **UL listed and labeled**, then the fully assembled product has been tested, independently of the manufacturer, by UL at their facility to meet the requirements they have developed for the industry. Unlike other testing facilities, UL also assures the ongoing quality of the product by periodically visiting the factory to confirm design and manufacturing consistency.

Having purchased a **UL listed and labeled** product assembly, one will have bought the best protection available for personnel and valuable assets.

As a designer and manufacturer of tested bullet resistant barrier technology for more than 65 years, Chicago Bullet Proof Systems often encounters a lack of understanding of ballistic requirements. Confusion is frequently caused by the misuse of the "UL" acronym and terms such as "Level or Class 1" by untested, inferior, and poorly designed product manufacturers who intend to mislead the buyer. Also, many times the architectural specifications will lack the proper verbiage necessary to communicate the architect/client's desire to have a **UL listed and labeled** product.

These situations are especially disturbing when one considers the vital, life-saving role bullet resistant security plays in a facility's overall security plan. Anyone involved with the design, purchase or installation of bullet resistant products should imagine themselves behind the product under a firearm attack.

Section 13070

PART 1 - GENERAL

1.01 SUMMARY

- A. Section Includes:
 - 1. Provide bullet resistant assemblies, complete including glazing, and bullet resistant armor panels for walls if applicable.
- B. Related Work:
 - 1. 08800 - Glazing
 - 2. 08100 - Door and Frame Schedule
 - 3. 08700 - Door Hardware
 - 4. 09900 - Painting

1.02 QUALITY ASSURANCE

- A. Manufacture: Products and bullet resistant assemblies of Chicago Bullet Proof Systems are specified to establish intended type and quality of the bullet resistant assemblies required for the work.
- B. UL Labels: Each assembly shall bear a UL label evidencing the ballistic rating of the assembly. Suppliers that "comply with" or "manufacture to meet the requirements of UL" are not acceptable. Fully Assembled product must bear the UL label. Each label shall provide the following information:
 - 1. The Underwriters Laboratories, Inc. registered trademark "UL" with the word "listed."
 - 2. Description of Assembly
 - 3. Model Number
 - 4. Ballistic Rating
 - 5. Date of Manufacture
 - 6. Manufacturer's UL Control Number
- C. Quality Standards: Work of this section shall conform to UL 752 Standard for Safety, Bullet Resisting Equipment as per the most recent revision.

1.03 REFERENCES

- A. Underwriters' Laboratories, Inc. - UL 752, Bullet-Resisting Equipment, 333 Pfingsten Rd., Northbrook, IL 60062-20906. Tel : 847.272.8800.

1.04 SUBMITTALS

- A. Product Data: Submit bullet resistant assembly manufacturer's detailed specifications and installation instructions.
- B. Shop Drawings: Submit for architect's approval drawings fully detailing all work of this section. Indicate dimensions, description of materials and finishes, general construction, specific modifications, component connections, and anchorage methods. Also, indicate UL labeling and required level of ballistic protection.

1.05 PRODUCT DELIVERY, STORAGE, AND HANDLING:

- A. Deliver all products under this section in manufacturer's standard factory packaging. Inspect promptly and store products within the building in a dry location. Use care in unpacking, assembly, and handling to prevent damage or defacement.

1.06 WARRANTY

- A. Product shall be warranted from defects in workmanship and materials for use under normal and proper usage for a period of one year from date of shipment.

PART 3 -EXECUTION

3.01 INSPECTION:

- A. Opening Size: Verify opening size to be equal to that recommended for product by Chicago Bullet Proof Systems.
- B. Fit: Verify flatness/plumb and levelness of surfaces.

3.02 STORAGE:

- A. It shall be the responsibility of the general contractor to see that any scratches or disfigurement caused in shipping or handling are promptly cleaned and touched up with a rust-inhibitive primer (for painted surfaces), and that materials are properly stored on planks or dunnage, in a dry location, and covered to protect them from damage. Nothing shall be stored on top of any bullet resistant equipment.
- B. Windows and transparent armor shall be stored in an upright position.

3.03 INSTALLATION: Install work of this section according to manufacturer's recommendations, installation instructions and approved submittals. Install frames plumb, rigid and in true alignment. Utilize temporary supports for frames installed prior to wall erection. Install glass armor with the specified rubber spacers only for seating and securing glass in the frames. Calk frames where necessary (vision windows only). Glazing shall occur after all masonry, ceiling, electrical, plumbing and/or finish painting have been accomplished in order not to damage the bullet resistant transparent armor.

3.03 ADJUSTING and CLEANING: Leave glass clean according to manufacturer's recommendations and free of lables. Leave shop primed surfaces clean and ready for finish paint.



RELATIVE BALLISTIC THREAT TABLE

Standard Threat Level	Caliber	Representative Weapon	Bullet Weight & Type	Standard Velocity Range (FT/Sec)	Number of Shots That Must Be Resisted
UL-Level 1	9 x19mm Parabellum	Pistol, Semi-automatic 5" Barrel	124 gr. FMJ with lead core	1,175 -0% +10%	3
UL-Level 2	.357 Magnum	Revolver 8-3/8" Barrel	158 gr. JSP	1,250 -0% +10%	3
UL-Level 3	.44 Magnum	Revolver 6" Barrel	240 gr. Gas checked SWC	1,350 -0% +10%	3
UL-Level 6	9 x19mm Parabellum	Pistol, Semi-automatic 5" Barrel	124 gr. FMJ with lead core	1,400 -0% +10%	5
UL-Level 4	.30-06' Springfield	Rifle, Bolt Action 24" Barrel	180 gr. JSP	1,350 -0% +10%	1
UL-Level 5	7.62mm NATO	Rifle-Combat 21" Barrel	150 gr. Ball, M80	2750 -0% +10%	1
UL-Level 7	5.56mm NATO	Rifle, Combat, 20" Barrel M16A1(USA)	55 gr. Ball, M193	3080 -0% +10%	5
UL-Level 8	7.62mm NATO	Rifle-Combat 21" Barrel	150 gr. Ball, M80	2750 -0% +10%	5

UL... Underwriters Laboratories, Inc; Standard For Safety-UL 752. Having purchased a **UL listed and labeled** product, one will have bought the best protection available for personnel and valuable assets. Make sure you purchase a **UL listed and labeled assembly**. **BEWARE** of and **AVOID** terms such as "complies with UL," "meets the requirements of UL," "tested to UL," "certified to UL" and "UL rated." Some even say "UL level 3." If it is not **UL listed and Labeled**, then **UL** never tested it. Each **UL** assembly has a label affixed to it and has a **UL file number**. Without the label, there is no guarantee that even the manufacturer has ballistically tested the assembly.

BULLET TYPES

FMJ... Full Metal Jacket
JSP... Jacketed Soft Point
SWC... Semi Wad Cutter

NUMBER OF SHOTS RESISTED

Level 1, 2, and 3 are within a 4" triangle.
Level 6, 7, and 8 are within a 4-1/2" square.

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TRANSPARENT ARMOR INFORMATION

THE ADVANTAGES AND DISADVANTAGES OF UL LISTED TRANSPARENT ARMORS

Armor Type	Advantages	Disadvantages
GLASS CLAD POLYCARBONATE	<p>Weight: weighs 40 % less than Glass.</p> <p>Attack resistance: offers resistance to attack.</p> <p>Self Extinguishing: does not support combustion</p> <p>UL rating: UL listed for levels 1, 2, 3, 4, 5, 6, 7, & 8.</p>	<p>Scratches: although one side is glass, the other is not and may be scratched.</p> <p>Cost: costs is 1.25 times that of laminated glass.</p> <p>Delamination: could be a problem, since it is a lamination of polycarbonate and glass which have different rates of expansion and contraction.</p>
GLASS CLAD POLYCARBONATE WITH AIR GAPS	<p>Weight: weighs 40 % less than glass.</p> <p>Attack resistance: offers resistance to attack.</p> <p>Minimal delamination: air separates the glass and polycarbonate layers which have different expansion rates.</p> <p>Scratch resistant on customer side only: There is glass on the customer side which is most scratch resistant which is also replaceable if broken.</p> <p>Self Extinguishing: does not support combustion.</p> <p>UL rating: UL listed for levels 1, 2, 3, 4 & 8.</p>	<p>Scratches: although one side is glass, the other is not and may be scratched</p> <p>Cost: costs is 1.5 times that of laminated glass.</p> <p>Polycarbonate delamination: heat trap caused by air gaps may cause delamination in the polycarbonate.</p>



TRANSPARENT ARMOR INFORMATION

THE ADVANTAGES AND DISADVANTAGES OF UL LISTED TRANSPARENT ARMORS

Armor Type	Advantages	Disadvantages
LAMINATED POLYCARBONATE	<p>Weight: 1/2 the weight of glass clad polycarbonate.</p> <p>Attack resistance: offers resistance to attack.</p> <p>Minimal delamination: expansion rates are similar among polycarbonate layers.</p> <p>Self Extinguishing: does not support combustion.</p> <p>UL rating: UL listed for levels 1, 2, 3, and 5.</p>	<p>Scratches: polycarbonate scratches and must be cleaned properly.</p> <p>Cost: costs is 2 times that of laminated glass.</p>



TRANSPARENT ARMOR INFORMATION

THE ADVANTAGES AND DISADVANTAGES OF UL LISTED TRANSPARENT ARMORS

Armor Type	Advantages	Disadvantages
LAMINATED GLASS	<p>Cost: least expensive of all transparent armors</p> <p>Size: available in large sizes (some up to 80"w x 120"h)</p> <p>Scratch resistant: glass is still the hardest transparent product in the industry and offers the most resistance to scratching.</p> <p>Minimal delamination: because the expansion rates are similar among glass, the probability of delamination is less than mixed material laminates</p> <p>UL rating: Available in UL level 1, 2, 3, and 4.</p>	<p>Weight: Glass can be 56% heavier than the glass clad polycarbonate products and 3 times the weight of an all polycarbonate product. Floor loading and labor considerations need to be made.</p> <p>Cutting: It is difficult to find a manufacturer who will cut notches and miters.</p> <p>Breakage: Glass breaks; therefore, while being bullet resistant, it does not offer any prolonged attack resistance.</p>
ACRYLIC	<p>Monolithic: when the edges are flame polished, they become as clear as the face of glass with no seams. Acrylic is used for bandit barriers when the edges are visible to the public.</p> <p>No delamination</p> <p>Weight: 1/2 the weight of glass.</p> <p>Light transmission: up to 92% light transmission</p> <p>Attack resistance: some attack resistance</p> <p>UL rating: listed for UL level 1 only</p> <p>Price: 4 x more than glass.</p> <p>UL rating: Only available in UL level 1.</p>	<p>Scratches: Although some manufacturers will say that their acrylic is scratch resistant, acrylic is softer than glass and requires special cleaning instructions. (A scratch resistant coating, SAR, is available, but it would add an additional 15-20% to the cost)</p>



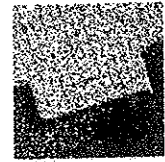
TRANSPARENT ARMOR CHART

Armor	Ballistic Level	Thickness <small>May vary depending on manufacturer</small>	Weight/Sq. Ft	Pricing
Laminated Glass	1 2 3 4	1-3/16" 1-1/2" 1-3/4" 2"	16 21 25 28	Least expensive transparent armor available
Monolithic B.R. Acrylic	1	1-1/4"	7.8	4 times the price of glass
Glass Clad Polycarbonate	1 2 3 4 5 6 8	3/4" 15/16" 1-3/16" 1-1/4" 2-1/4" 1-1/5" 2-1/4"	8.4 11.2 13.2 13.6 27 13.4 27	1.25 times the price of glass
Glass Clad Polycarbonate with air gap	1 2 3 4 5 8	.92" 1.11" 1.25" 1.84" 1.84" 2.51"	6.4 8.8 9.8 15.3 15.3 24.9	1.5 times the price of glass or more
Laminated Polycarbonate	1 2 3 5	.775" 1.06" 1.33" 1.25"	5.1 6.6 8.1 8.02	2 times the price of glass or more

UL listed levels and H.P. White 7.62 NATO

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OPAQUE ARMOR INFORMATION

THE ADVANTAGES AND DISADVANTAGES OF UL LISTED BULLET RESISTANT STEEL AND FIBERGLASS COMPOSITES

Armor Type	Advantages	Disadvantages
SHOT-TEX BR steel	<p>Ease of Installation: Shot-Tex is shipped from the factory cut to size with all mounting holes punched and prime painted. It is easily attached to the existing stud system and finish painted or covered with wall board.</p> <p>Cost: Shot-Tex is 30% to 35% less in cost than the equivalent BR level of Fibre-Tex.</p> <p>UL: Shot-Tex steel is UL listed and labeled for bullet resistancy for levels 1, 2, 3, 4, and 8</p>	<p>Workability in the Field: Difficult to do any field cutting for modification that may occur.</p> <p>Weight: Approximately twice the weight of Fibre-Tex. Depending on the construction of existing structures, the weight of Shot-Tex raises floor loading concerns.</p>
FIBRE-TEX BR Fiberglass Composite	<p>Workability in the Field: 4'w x 8'h sheets can be cut to size with a power saw and the holes for mounting can be cut with standard steel drill bits. This allows for any last minute changes in the field.</p> <p>Weight: Fibre-Tex is approximately 1/2 the weight of Shot-Tex steel. The lighter weight makes Fibre-Tex easier to handle in the field and lessens concerns for floor loading.</p> <p>UL: Fibre-Tex #1F, #2F, #3F, #4F, #5F, #6F, #7F, and #8F, are UL listed and labeled for bullet resistancy for levels 1, 2, 3, and 4.</p>	<p>Cost: Fibre-Tex is 30% to 35% more in cost than Shot-Tex steel.</p> <p>Sizes: Fibre-Tex is available in full sheets of 48"w x 96"h, and 36"w x 96"h.</p> <p>Additional Field Costs: All material must be cut to size in the field adding to the cost of using Fibre-Tex.</p>



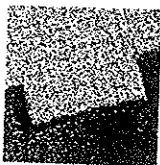
OPAQUE ARMOR CHART

Opaque Armor	Ballistic Level	Thickness	Weight/Sq. Ft	Pricing
SHOT-TEX (Steel Armor)	1	1/8"	5.66	Least expensive opaque armor
	2	3/16"	7.70	
	3	1/4"	10.4	
	4	3/8"	15.4	
	7.62 Nato	1/2"	20.4	
	8	1/4"	10.4	
FIBRE-TEX (Fiberglass Composite)	1	1/4"	2	35% more than Shot-tex
	2	5/16"	3	
	3	7/16"	4	
	4	1-3/16"	12	
	5	1-3/16"	12	
	6	5/16"	3	
	7	1-3/16"	12	
	8	1-5/16"	13.4	

Ballistic levels are Underwriters Laboratories, Inc. (UL), under *Standard for Safety UL 752*, listed and labeled.

Fibre-tex is also available with NIJ test only.

Shot-tex is the registered trademark of Chicago Bullet Proof Systems.



BULLET PROOF
BULLET RESISTANT
FIBERGLASS ARMOR

FIBRE-TEX

APPLICATION

Fibre-Tex brand bullet resistant fibre panels are used to line walls, ceilings, and counter tops in:

- Pharmacy transaction areas
- Gas stations and C-stores
- Judges benches and chambers
- Office building lobbies
- Cash counting rooms
- Hospital emergency rooms
- Reception areas
- Residential safe rooms
- Guard stations
- Walls where you have bullet resistant doors and windows

CODE COMPLIANCE

Listed and labeled by Underwriters Laboratories, Inc. (UL) under *Standard for Safety UL 752, "Bullet-Resisting Metals and Plastics"* for:

Model	UL Label	Definition	Thickness	Lbs. Per Ft.	Lbs. Per 4x8 Sht.
F-Tex #1F	UL Level 1	9mm Super Auto x 3 Hits	Approx. 3/16" thick	2 lbs./ sq Ft.	77 lbs./sheet
F-Tex #2F	UL Level 2	.357 Mag. X 3 Hits	Approx. 5/16" thick	3.0 lbs./sq Ft.	96 lbs./sheet
F-Tex #3F	UL Level 3	.44 Mag. X 3 Hits	Approx. 7/16" thick	4.0 lbs./sq Ft.	128 lbs./sheet
F-Tex #4F	UL Level 4	.30-06 x 1 Hit	Approx. 1-3/16" thick	12 lbs./sq Ft.	368 lbs./sheet
F-Tex #8F	UL Level 8	7.62mm RIFLE	Approx. 1-5/16" thick	13.4 lbs./sq Ft.	429 lbs./sheet

PRODUCT DESCRIPTION

-Bullet resistant composition of high strength fibre matrix plies suspended in a resilient bonding media.

FINISH:

- Flat and smooth off white color.
- Outer surface readily accepts plastic laminates, paint, wall coverings, and like architectural treatments.

INSTALLATION INSTRUCTIONS

Fibre-Tex can be sized readily in the field using conventional wood and light metal-working tools. Refer to the following guidelines:

CUTTING:

Cut Fibre-Tex using ordinary carpentry tools: circular saw, table saw, panel saw, or saber saw. Use the following blades:

- * CS 70 CI, 7" Circular, * CS 80 CI, 8" Circular, * CS 120 CI, 12" Circular, * SS2-2MH, Sabre Saw.

SAFETY INSTRUCTIONS: If continuous or prolonged cutting is anticipated, CBPS recommends the use of a paper respirator and Tyvek disposable coveralls. Always cut in a well ventilated area.

DRILLING: Fibre-Tex may be drilled using high speed steel twist drills at a slow speed.

ADHESION: Fibre-Tex may be adhered using an industrial adhesive (Mastic) and/or using screws or bolts. It is acceptable to adhere Fibre-Tex to a threat side surface and cover it with a decorative veneer. However, it is generally easier to cut appliques of Fibre-Tex and adhere them to the non-threat side surface.

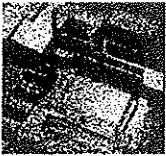
BALLISTIC INTEGRITY: Any butt joints or seams create a ballistic weakness. To ensure ballistic integrity, CBPS recommends that 4" strips (battens) be placed over seams. Conformity to curved surfaces should be handled by placing 12" to 18" vertical strips following the inside curvature of the surface to be protected. The same 4" overlapping strips should be applied at each joint.

VENEERS: Fibre-Tex easily accepts a wood or plastic veneer using contact cement. It may also be upholstered or painted. Painting requires "roughing up" the surface..

WEIGHT CONSIDERATIONS: The use of large sheets of Fibre-Tex and higher ballistic levels may require additional reinforcement of the structure to which the Fibre-Tex is being attached, especially in stud wall applications. Consult CBPS for assistance.

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BULLET PROOF
**BULLET RESISTANT
STEEL ARMOR**

SHOT-TEX

APPLICATION

Shot-Tex brand bullet resistant steel is used in the manufacturing of Chicago Bullet Proof Systems' bullet resistant architectural products. It is also used in sheets to line walls, ceilings, and counter tops in:

Pharmacy transaction areas	Hospital emergency rooms
Gas stations and convenience stores	Reception areas
Judges benches and chambers	Residential safe rooms
Office building lobbies	Guard stations
Cash counting rooms	Walls where you have bullet resistant doors & windows

BENEFITS

Time required to install is minimal.

No cutting or preparation in the field, Shot-Tex bullet resistant steel is delivered cut to specified sizes and shapes with required holes so that it is ready to install upon receipt.

Most cost effective bullet resistant wall armor.

CODE COMPLIANCE

Listed & Labeled by Underwriters Laboratories under *Standard for Safety UL 752, "Bullet Resisting Metals and Plastics"* for:

Shot - Tex #1	UL Level 1	9mm Super Auto x 3 Hits	Approx. 1/8" thick	5.66 lbs. / sq Ft.
Shot - Tex #2	UL Level 2	.357 Mag. X 3 Hits	Approx. 3/16" thick	7.7 lbs. / sq Ft.
Shot - Tex #3	UL Level 3	.44 Mag. X 3 Hits	Approx. 1/4" thick	10.4 lbs. / sq Ft.
Shot - Tex #4	UL Level 4	.30-06 x 1 Hit	Approx. 3/8" thick	15.4 lbs / sq Ft.
Shot - Tex #5	H.P. White 7.62 NATO	M-80 Ball x 3 Hits	Approx. 1/4" thick	20.4 lbs / sq Ft.
Shot - Tex #8	UL Level 8	M-80 Ball x 5 Hits	Approx. 1/4" thick	20.4 lbs / sq Ft.

FINISH

Prime Painted.

Satin Stainless Steel.

SHOT-TEX is a registered trademark of Chicago Bullet Proof Systems.

INSTALLATION INSTRUCTIONS

-Shot-Tex brand bullet resistant steel typically is provided from the factory in precut, predrilled sheets.

ANCHORING: Shot-Tex sections may be "free standing." Panels may rest in a base channel on the floor and anchor to the structural ceiling by means of clip angles and tie rods. Two panels are anchored together by bolting through either angles welded to each section or through angled returns being formed into the sections themselves.

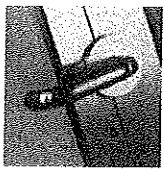
-Shot-Tex sections may be flat, with tightly butted joints, and anchored directly to wood or metal studding. Flat sections may also be anchored to the wall itself with expandable anchors, wood screws, and plug welds.

-In both formed and flat sections, anchorage will normally be 9/32 inch holes at 8" on center maximum. Diameters of anchorage holes may be larger for greater load factors.

WEIGHT CONSIDERATIONS: The use of large sheets of Shot-Tex and higher ballistic levels may require additional reinforcement of the structure to which the Shot-Tex is being attached, especially in stud wall applications. Consult CBPS for assistance.

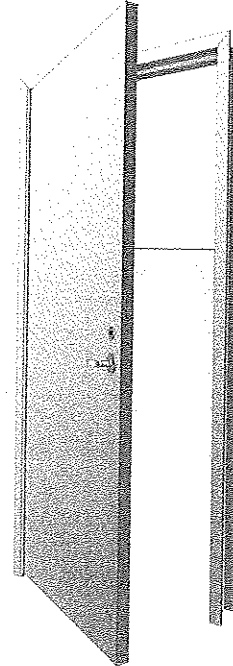
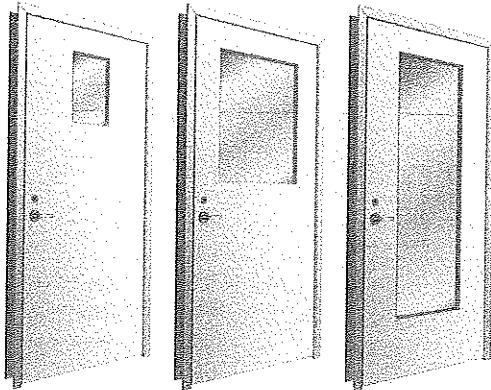
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**BULLET RESISTANT
DOORS AND FRAMES**

DR



APPLICATIONS - INTERIOR/EXTERIOR

For both personnel and vehicular passage, guard booths embassies, correctional institutions, cashier/money handling areas.

CODE COMPLIANCE

Assemblies are listed and labeled by Underwriters Laboratories, Inc. (UL) under *Standard for Safety UL 752, Bullet-Resisting Equipment* for:

★Level 1 ★Level 2 ★Level 3 ★Level 4 ★Level 5
★Level 6 ★Level 8

Consult CBPS for special requirements.

A label bearing certification is affixed to the protected side of frame.

DOORS

- All welded construction.
- 1-3/4" thick.
- 1/8" thick internal reinforcing channels.
- Formed from SHOT-TEX brand bullet resistant steel.

FRAME

- Double rabbet profile, 2"x 5 -1/2".
- Formed from SHOT-TEX brand bullet resistant steel.
- Mitered and welded corners.
- Standard DR frames are supplied with six (6) "T"- strap anchors for installation into coursed masonry walls.
- Clamp-on frames are available which adjust to finished wall thickness varying from 7-1/2" to 12" by clamping existing wall openings.

HARDWARE

- Chicago Bullet Proof Systems standard package includes the following hardware and related items:
- Sargent 8104 mortise lockset x LNJ (lever) trim x US26D (satin chrome) finish.
- Lockset function is ANSI F07 (storeroom or closet function).
- Key locking cylinder on the threat side/operative lever on interior.
- Door/Frame assembly is mortised, reinforced, drilled and tapped at the factory for lockset.
- Heavy duty closer. Yale 4400 x Aluminum finish, mounted at the site by others, all drilling and tapping by a field installer.
- CBP #12252 bullet resistant continuous hinge: prime painted hinge for Level 1 through Level 3 and satin finish stainless steel hinge for Level 4.
- Hinge preps are drilled and tapped at the factory.
- Silencers.
- Six (6) "T"-strap anchors for coursed masonry walls 24" O.C. (max) on each jamb.

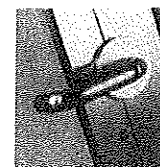
FINISH

- Prior to pre-hanging a door in frame and fitting the lockset at the factory, the door and frame are degreased, all welds are ground smooth and door/frame assembly is spray-painted with rust-inhibiting primer.

SHOT- TEX is the registered trademark of CBPS.

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STANDARD OPTIONS

- Folger Adams 712 electric strike x 24VAC x LBM x US26D (satin chromium) finish.
(Access control and transformer for electric strike are by others)
- UL listed bullet-resistant ventilation louvre: LVU series louvre panel, 24" wide x 12" high.
- Batt fiberglass Insulation, Threshold and Weatherstrip.
- Preparation for bolt or screw anchors including proper frame reinforcements: Four (4) anchors per jamb side.
Bolts or screw anchors are provided by others.

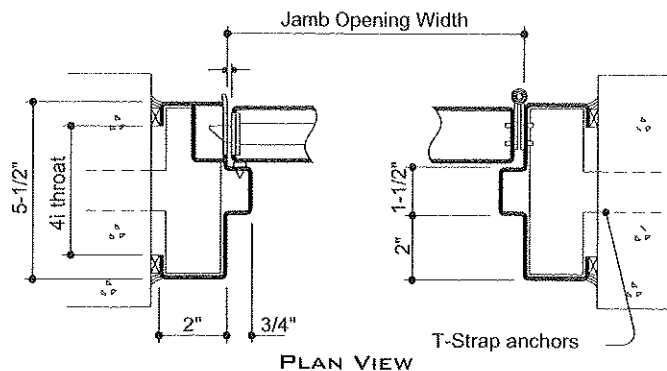
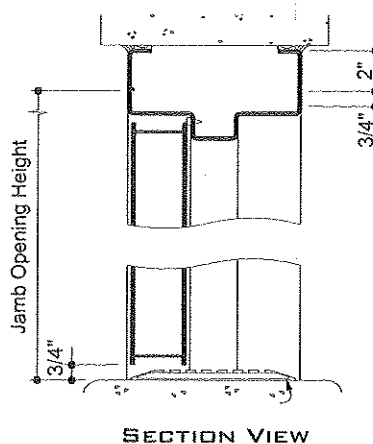
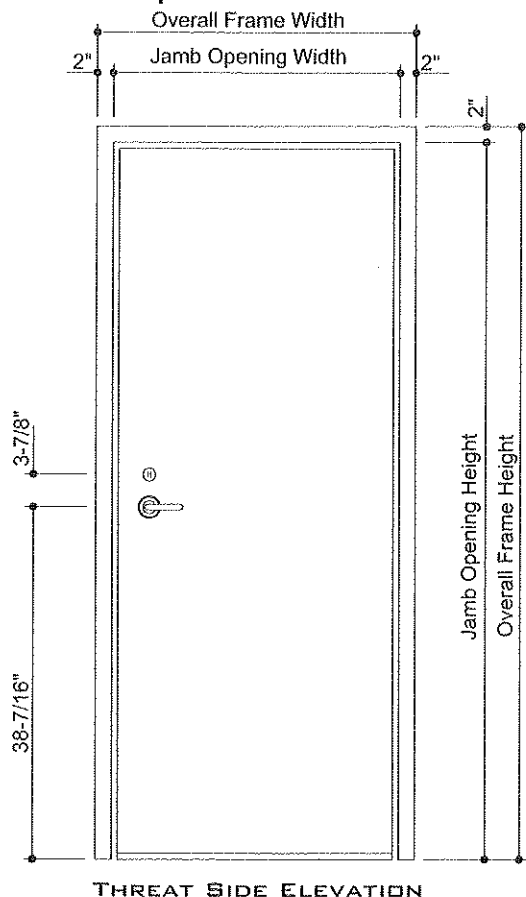
VISION PANELS : CLEAR VISUAL OPENINGS

- Glass is shipped separately and is to be installed in the door at the site.
- Standard sizes for doors greater than 32" are wide 11"w x 11"h, 11"w x 17"h, 19"w x 31"h. For doors greater than 36" wide, standard sizes also include 23" x 31" & 23" x 67".

Standard Sizes

Model	Jamb Opening Size	O.A. Frame	Rec. Min. Wall Opening	Shipping WT/Lbs. Lvl 1/lvl 4
STANDARD SINGLE FRAME				
DR 3280	2'8"x 6'8"	36"x 82"	36 1/2"x 82 1/2"	335/580
DR 3684	3'0"x 7'0"	40"x 86"	40 1/2"x 86 1/2"	395/675
DR 4284	3'6"x 7'0"	46"x 86"	46 1/2"x 86 1/2"	430/780
STAMPED ON FRAME				
DR 3280	2'8"x 6'8"	36"x 82"	34 1/2"x 81 1/2"	335/580
DR 3684	3'0"x 7'0"	40"x 86"	38 1/2"x 85 1/2"	395/675
DR 4284	3'6"x 7'0"	46"x 86"	44 1/2"x 85 1/2"	430/780
STANDARD PAIR				
DR7284	6'0"x7'0"	76"x 86"	76 1/2"x 86 1/2"	707/971

Custom and Special Door/Frame size conditions are available. Please consult CBPS.



MODEL DR

PART 1 - GENERAL

PART 2 - PRODUCTS

(2.01) DOOR/FRAME ASSEMBLIES: Standard DR Door/Frame assembly with UL label by Chicago Bullet Proof Systems, 12 E. Old Mill Lane, Burr Ridge, IL 60527, tel: 800.690.9160. *Non-UL labeled assemblies are not acceptable.*

- A. Chicago Bullet Proof Systems Standard DR Door/Frame Assembly with UL label for assembly. Door/Frame shall be constructed from UL listed Shot-Tex bullet-resistant steel and shall bear a UL label.
- B. Finish: Prior to pre-hanging door in frame, all exposed welds shall be ground smooth and assembly shall be given a spray coat of rust-inhibiting primer at the factory.
- C. Frame: Jamb opening shall be _____ inches wide by _____ inches high. Frame profile shall be double rabbeted and have a 2 inch face dimension by 5-1/2 inch depth. Corners shall be mitered, welded and ground smooth. Knock down frames are unacceptable. Door frames shall have 6 T-strap anchors for installation into new coursed masonry walls (or shall be prepped for existing masonry opening, or shall be prepped for built in stud wall installation).
- D. Doors: Doors shall be of all welded construction. Doors are 1-3/4 inches thick with 1/8 inches thick internal reinforcing channels.
- E. Preparation: Door/Frame assembly shall be mortised, reinforced, drilled and tapped at the factory in preparation for mortise lockset.
- F. Hardware and Accessories: Provide the assembly manufacturer's standard door package hardware and accessories, including:
 - 1. Sargent 8204 mortise lockset with LNJ lever trim or equal.
 - 2. A Yale 4400 heavy duty closer.
 - 3. Continuous CBP #12252 stainless steel bullet-resisting hinge shall be drilled and tapped at the factory.
 - 4. Other hardware shall include 3 Glynn-Johnson #64 silencers and 6 adjustable strap anchors for masonry walls.
 - 5. Other options: **Electric Strike**, Folger Adam 310-2-3/4, 24VAC. x LCBMA x (satin chromium) finish. (Note: Access control and transformer for electric strike are supplied by installer) **Insulation** is batt type fiberglass. **Threshold** of extruded aluminum with mill finish. **Weather-stripping** at head and jambs with self-adhesive silicone seal. **EMA prep:** manufacturer provides bolt and screw anchor preparation and proper frame reinforcement. (Note: Bolt or screw anchors are provided by installer)
- G. Vision panel: Vision panel shall be _____ inches wide by _____ inches high with flush appearance on threat side and applied glazing stops on the protected side. Stops shall have mitered corners and the same finish as the door.

- H. Glass Armor: UL 752 listed bullet resistant transparent laminated type glass (or type glass clad polycarbonate) of _____ (see below) thickness and UL listed level _____ (see below). Manufacturer shall furnish acoustic rubber spacers. All other glazing materials shall be provided by glazier.

<u>Glass Thickness</u>	<u>Glass Clad Polycarbonate</u>	<u>UL level*</u>
1-3/16"	3/4"	level 1
1-1/2"	1"	level 2
1-3/4"	1-3/16"	level 3
1-3/4"	1-1/4"	level 4
2"	2-3/8"	level 5
	1-1/4"	level 6
	2-3/8"	level 8

- I. DR Door/Frame assembly shall be UL listed and labeled to ballistic levels defined in the Standard for Safety UL 752 for level* _____ (select one: level 1, level 2, level 3, level 4, level 5, level 6, or level 8)

** Consult CBP's list of UL label definitions to select the best level for your application.*

PART 3 - EXECUTION

MODEL DR-Pair Door/Frame

PART 1 - GENERAL

PART 2 - PRODUCTS

(2.01) DOOR/FRAME ASSEMBLIES: Standard DR Pair Door/Frame assembly with UL label by Chicago Bullet Proof Systems, 12 E. Old Mill Lane, Burr Ridge, IL 60527, tel: 800.690.9160. *Non-UL labeled assemblies are not acceptable.*

- A. Chicago Bullet Proof Systems Standard DR Door/Frame Assembly with UL label for assembly. Door/Frame shall be constructed from UL listed Shot-Tex bullet-resistant steel and shall bear a UL label.
- B. Finish: Prior to pre-hanging door in frame, all exposed welds shall be ground smooth and assembly shall be given a spray coat of rust-inhibiting primer at the factory.
- C. Frame: Jamb opening shall be _____ inches wide by _____ inches high. Frame profile shall be double rabbeted and have a 2 inch face dimension by 5-1/2 inch depth. Corners shall be mitered, welded and ground smooth. Knock down frames are unacceptable. Door frames shall have 6 T-strap anchors for installation into new coursed masonry walls (or shall be prepped for existing masonry opening, or shall be prepped for built in stud wall installation).
- D. Doors: Doors shall be of all welded construction. Doors are 1-3/4 inches thick with 1/8 inches thick internal reinforcing channels. A continuous astregal running the entire height of the door shall be welded to both the active and inactive panels.
- E. Preparation: Door/Frame assembly shall be mortised, reinforced, drilled and tapped at the factory in preparation for mortise lockset.
- F. Hardware and Accessories: Provide the assembly manufacturer's standard door package hardware and accessories, including:
 - 1. Sargent 8204 mortise lockset with LNJ lever trim or equal.
 - 2. A Yale 4400 heavy duty closer.
 - 3. Continuous CBP #12252 stainless steel bullet-resisting hinge shall be drilled and tapped at the factory.
 - 4. Other hardware shall include 3 Glynn-Johnson #64 silencers and 6 adjustable strap anchors for masonry walls.
 - 5. Two flush bolts in inactive door
 - 6. Other options: **Electric Strike w/ required conduit**, Folger Adam 310-2-3/4, 24VAC. x LCBMA x (satin chromium) finish. (Note: Access control and transformer for electric strike are supplied by installer) **Insulation** is batt type fiberglass. **Threshold** of extruded aluminum with mill finish. **Weather-stripping** at head and jambs with self-adhesive silicone seal. **EMA prep:** manufacturer provides bolt and screw anchor preparation and proper frame reinforcement. (Note: Bolt or screw anchors are provided by installer)
- G. Vision panel(s): Vision panel(s) shall be _____ inches wide by _____ inches high with flush appearance on threat side and applied glazing stops on the protected side. Stops shall have mitered corners and the same finish as the door.

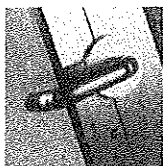
- H. Glass Armor: UL 752 listed bullet resistant transparent laminated type glass (or type glass clad polycarbonate) of _____(see below) thickness and UL listed level_____(see below). Manufacturer shall furnish acoustic rubber spacers. All other glazing materials shall be provided by glazier.

<u>Glass Thickness</u>	<u>Glass Clad Polycarbonate</u>	<u>UL level*</u>
1-3/16"	3/4"	level 1
1-1/2"	1"	level 2
1-3/4"	1-3/16"	level 3
1-3/4"	1-1/4"	level 4
2"	2-3/8"	level 5
	1-1/4"	level 6
	2-3/8"	level 8

- I. DR Door/Frame assembly shall be UL listed and labeled to ballistic levels defined in the Standard for Safety UL 752 for level* _____(select one: level 1, level 2, level 3, level 4, level 5, level 6, or level 8)

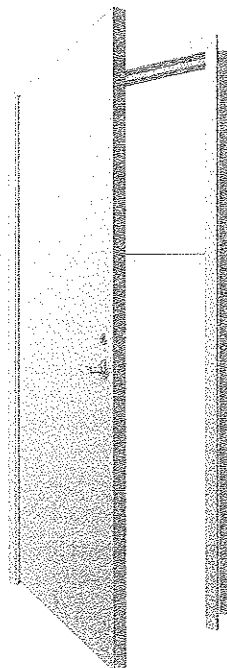
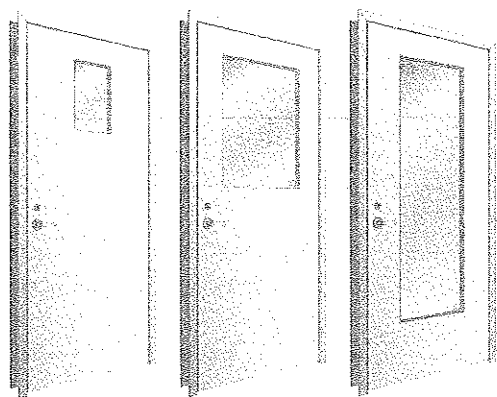
** Consult CBP's list of UL label definitions to select the best level for your application.*

PART 3 - EXECUTION



**BULLET RESISTANT
WOODHAVEN DOOR**

WH



APPLICATIONS - INTERIOR/EXTERIOR

For both personnel and vehicular passage, guard booths, embassies/consulates, judges chambers, cashier/money handling areas.

CODE COMPLIANCE

Assemblies are listed and labeled by Underwriters Laboratories, Inc. (UL) under *Standard for Safety UL 752, Bullet-Resisting Equipment* for:

★**Level 3** Consult CBPS for special requirements.
A label bearing certification is affixed to the protected side of frame.

DOORS

- All welded construction.
- 1-7/8" thick.
- 1/8" thick internal reinforcing channels.
- Formed from SHOT-TEX brand bullet resistant steel.
- Unfinished red oak veneer plywood.

FRAME

- Double rabbet profile, 2"x 5-1/2".
- Formed from SHOT-TEX brand bullet resistant steel.
- Mitered and welded corners.
- Standard DR frames are supplied with six (6) "T"- strap anchors for installation into coursed masonry walls.
- Clamp-on frames are available which adjust to finished wall thickness varying from 7-1/2" to 12" by clamping existing wall openings.

HARDWARE

- Chicago Bullet Proof Systems' standard package includes the following hardware and related items:
- Sargent 8104 mortise lockset x LNJ trim x US10B (satin bronze) finish.
- Lockset function is ANSI F07 (storeroom or closet function).
- Key locking cylinder on the threat side/operative lever on interior.
- Door/Frame assembly is mortised, reinforced, drilled and tapped at the factory for lockset.
- Heavy duty closer: Yale 4400 x BL (brown lacquer) mounted at the site by others, all drilling and tapping by a field installer.
- Roton #780-112 heavy duty continuous hinge, dark brown finish. Hinge preps are drilled and tapped at the factory.
- Silencers.
- Six (6) "T"-strap anchors for coursed masonry walls 24" O.C. (max) on each jamb.

FINISH

- Prior to pre-hanging a door in frame and fitting the lockset at the factory, the door and frame are degreased, all welds are ground smooth and door/frame assembly is spray-painted with rust-inhibiting primer. Unfinished red oak is then bonded to the door exterior and interior side facings and latch edge.

CHICAGO BULLET PROOF SYSTEMS

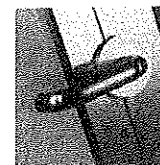
2595 BOND ST.

UNIVERSITY PARK, IL 60484

WWW.CHICAGOBULLETPROOF.COM

P. (708) 534-9102

F. (708) 534-9132



STANDARD OPTIONS

- Folger Adams 712 electric strike x 24VAC x LBM x US10B. (Access control and transformer for elec. strike are by others).
- UL listed bullet-resistant ventilation louvre: LVU series louvre panel, 24" wide x 12" high.
- Batt. fiberglass insulation, Threshold and Weatherstrip.
- Preparation for bolt or screw anchors including proper frame reinforcements: Four (4) anchors per jamb side. Bolts or screw anchors are provided by others.

VISION PANELS : CLEAR VISUAL OPENINGS.

Glass is shipped separately and is to be installed in the door at the site.

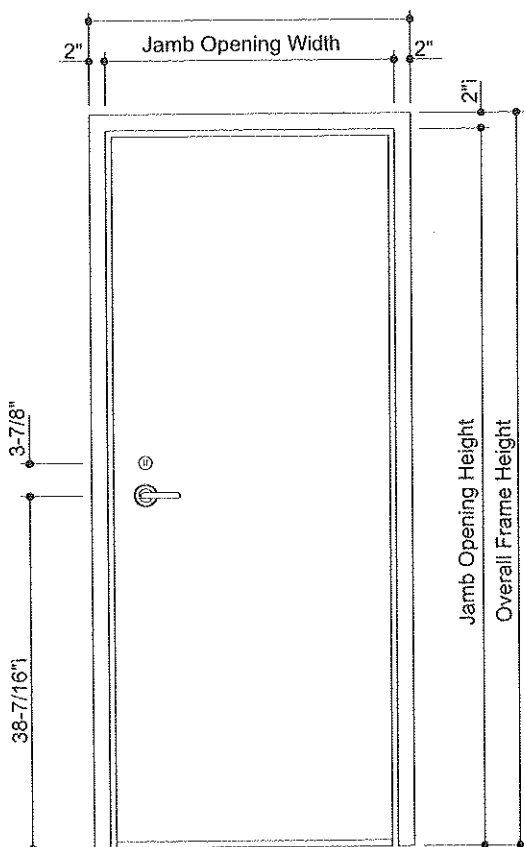
-Standard sizes for doors greater than 32" wide are, 11"w x 11"h, 11"w x 17"h, 19"w x 31"h

-For doors greater than 36" wide, standard sizes also include 23"w x 31"h & 23"w x 67"h

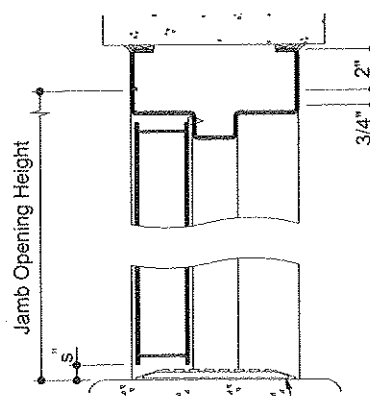
Standard Sizes

Model	Jamb Opening Size	O.A. Frame	Rec. Min. Wall Opening	Shipping WT/Lbs. Lvl. 1 / 4
STANDARD BUILT-IN FRAME				
DR 3280	2'8"x 6'8"	36"x 82"	36 1/2"x 82 1/2"	335/580
DR 3684	3'0"x 7'0"	40"x 86"	40 1/2"x 86 1/2"	395/675
DR 4284	3'6"x 7'0"	46"x 86"	46 1/2"x 86 1/2"	430/780
CLAMP-ON FRAME				
DR 3280	2'8"x 6'8"	36"x 82"	34 1/2"x 81 1/2"	335/580
DR 3684	3'0"x 7'0"	40"x 86"	38 1/2"x 85 1/2"	395/675
DR 4284	3'6"x 7'0"	46"x 86"	44 1/2"x 85 1/2"	430/780
STANDARD PAIR				
DR7284	6'0"x7'0"	76"x 86"	76 1/2"x 86 1/2"	715/981

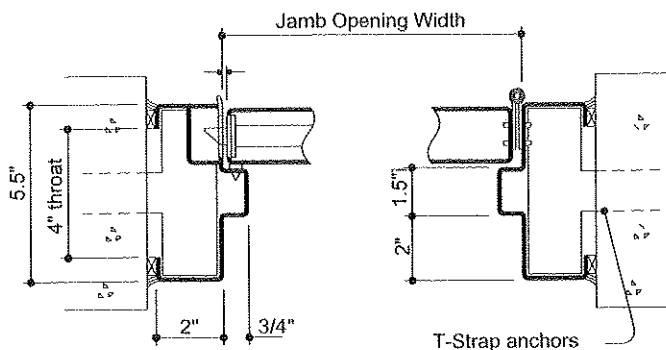
Custom and Special Door/Frame and size conditions are available. Please consult CBPS.



THREAT SIDE ELEVATION



SECTION VIEW



PLAN VIEW

MODEL WH

PART 1 - GENERAL

PART 2 - PRODUCTS

(2.01) WOOD DOOR/FRAME ASSEMBLIES: Standard WH Wood Door/Frame assembly with UL label by Chicago Bullet Proof Systems, 12 E. Old Mill Lane, Burr Ridge, IL 60527, tel: 800.690.9160. *Non-UL labeled assemblies are not acceptable.*

- A. Chicago Bullet Proof Systems Standard WH Wood Door/Frame Assembly with UL label for assembly. Door/Frame shall be constructed from UL listed Shot-Tex bullet-resistant steel and shall bear a UL label.
- B. Finish: Prior to pre-hanging the door in the frame, all exposed welds shall be ground smooth and assembly shall be given a spray coat of rust-inhibiting primer at the factory.
- C. Frame: Jamb opening shall be _____ inches wide by _____ inches high. Frame profile shall be double rabbeted and have a 2 inch face dimension by a 5-1/2 inch depth. Corners shall be mitered, welded and ground smooth. Knock down frames are unacceptable. Door frames shall have 6 T-strap anchors for installation into new coursed masonry walls (or shall be prepped for built in stud wall installation, or shall be prepped for existing masonry openings).
- D. Doors: Doors shall be of all welded construction. Doors are 1-7/8" thick with 1/8" thick internal reinforcing channels. 1/4" thick unfinished red oak veneer shall be bonded to door interior side, exterior side and latch edge with Type 1 waterproof adhesive. Doors shall be sanded clean.
- E. Preparation: Door/Frame assembly shall be mortised, reinforced, drilled and tapped at the factory in preparation for mortise lockset.
- F. Hardware and Accessories: Provide the assembly manufacturer's standard door package hardware and accessories, including:
 - 1. Sargent 8204 mortise lockset with LNJ lever trim or equal x US26D.
 - 2. A Yale 4400 heavy duty closer.
 - 3. Continuous roton #780-112 hinge with clear anodized finish shall be drilled and tapped at the factory.
 - 4. Other hardware shall include 3 Glynn-Johnson #64 silencers and 6 adjustable strap anchors for masonry walls.
 - 5. Other options: **Electric Strike**, Folger Adam 310-2-3/4, 24VAC. x LCBMA x (satin chromium)finish. (Note: Access control and transformer for electric strike are supplied by installer) **Insulation** is batt type fiberglass. **Threshold** of extruded aluminum with mill finish. **Weather-stripping** at head and jambs with self-adhesive silicone seal. **EMA prep:** manufacturer provides bolt and screw anchor preparation and proper frame reinforcement. (Note: Bolt or screw anchors are provided by installer)
- G. Vision panel: Vision panel shall be _____ inches wide by _____ inches high with flush appearance on threat side and applied glazing stops on the protected side. Stops shall have mitered corners and the same finish as the door.

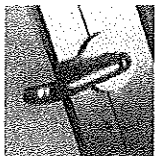
- H. Glass Armor: UL 752 listed bullet resistant transparent laminated type glass of _____(see below) thickness and UL listed level _____(see below). Manufacturer shall furnish acoustic rubber spacers. All other glazing materials shall be provided by the glazier.

<u>Glass Thickness</u>	<u>UL level*</u>
1-3/16"	level 1
1-1/2"	level 2
1-3/4"	level 3

- I. Wood Door/Frame assembly shall be UL listed and labeled to ballistic levels defined in the Standard for Safety UL 752 for level* _____(select one: level 1, level 2, or level 3)

** Consult CBP's list of UL label definitions to select the best level for your application.*

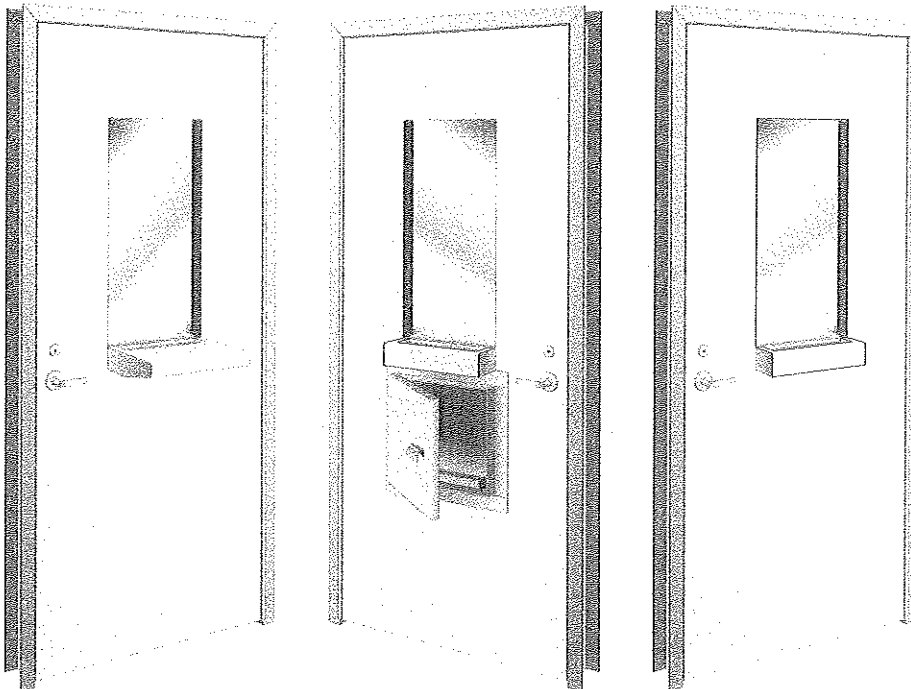
PART 3 - EXECUTION



BULLET RESISTANT

DOOR WITH PASS THRU & TRANSACTION CAPABILITIES

CDR



APPLICATIONS - INTERIOR/EXTERIOR

For both personnel and material passage, CDR allows a person the ability to transact through a door in areas where an additional window or pass through may not fit in a wall: embassies, hospital pharmacies, cashier/money handling areas, currency exchanges

CODE COMPLIANCE

Assemblies are listed and labeled by Underwriters Laboratories, Inc. (UL) under *Standard for Safety UL 752, Bullet-Resisting Equipment* for:

Level 1 *Level 2 *Level 3 *Level 4 *Level 6

Consult CBPS for higher levels

A label bearing certification is affixed to the protected side of frame.

DOOR

- All welded construction
- 1-3/4" thick, 1/8" thick internal reinforcing channels
- Formed from SHOT-TEX brand bullet resistant steel

FRAME

- Double rabbet profile, 2" x 5-1/2.
- Formed from SHOT-TEX brand bullet resistant steel.
- Mitered and welded corners.
- Standard frame is supplied with six (6) "T" strap anchors for installation into coursed masonry walls.
- Clamp-on frame is available which adjusts to finished wall thickness varying from 7-1/2 to 12" by clamping existing wall openings.

HARDWARE

Standard package includes:

- Sargent 8104 mortise lockset x OB (knob) trim x US26D (satin chrome) finish.

HARDWARE CONTINUED

- Lockset function is ANSI F07 (Storeroom or closet function).
 - Key locking cylinder on the threat side/operative knob on interior.
 - Door/Frame assembly is mortised, reinforced, drilled and tapped at the factory for lockset.
 - Heavy duty closer. Yale 4400 x Aluminum finish Mounted at the site by others, drilling and tapping by a field installer.
 - CBP #12252 bullet resistant continuous hinge: prime painted hinge for Level 1 through Level 3 and satin finish stainless steel hinge for Level 4. Hinge preps are drilled and tapped at the factory.
 - Silencers
 - Six (6) "T"-strap anchors for coursed masonry walls, 24" O.C. (max) on each jamb.
- Hardware options are available.

FINISH

Prior to shipment door and frame are degreased, all welds are ground smooth and assembly is spray-painted with rust-inhibiting primer.

TRANSACTION WINDOW W/VISION

OPENING OF 15" W X 29-9/16" H

- UL Listed bullet resistant transparent armor supplied with frame
 - Shipped in a separate crate. Field glazing is required.
 - Laminated glass is standard
- Optional transparent armors are available.

DEAL TRAY & SILL

- For transacting items not to exceed 12 3/4"w x 1 5/8"h
 - Satin stainless steel finish. Sill runs width of window.
- Optional ledge feature available.

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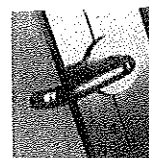
P. (708) 534-9102

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CDR



BULLET RESISTANT



DOOR WITH PASS THRU & TRANSACTION CAPABILITIES

PP PACKAGE PASSER PASS-THRU (OPTIONAL)

- Constructed from SHOT-TEX brand bullet resistant steel.
- All welded construction.
- Welds are ground smooth before prime painting or brushing stainless steel.

DOORS

- Constructed from SHOT-TEX brand bullet resistant steel.
- Interlock for one door to be open at one time.
- Hanging: from the threat side, exterior door is LHRB and interior door is LH.

HARDWARE

Standard package includes:

- CBP heavy duty continuous hinges.
- Stainless steel pull handle on exterior door.
- Interior door control handle with three position control handle which permits: exterior unlocked / interior locked, both doors locked, and exterior locked / interior unlocked.
- Return spring on exterior door to facilitate closing.

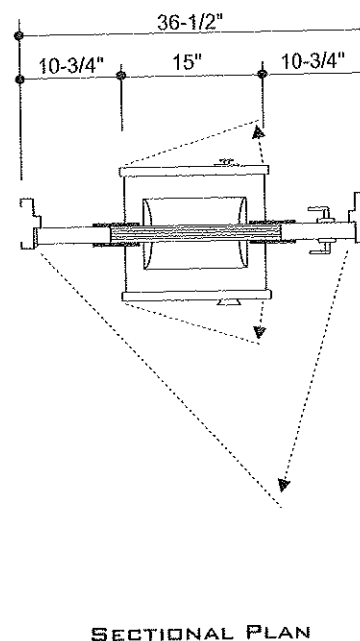
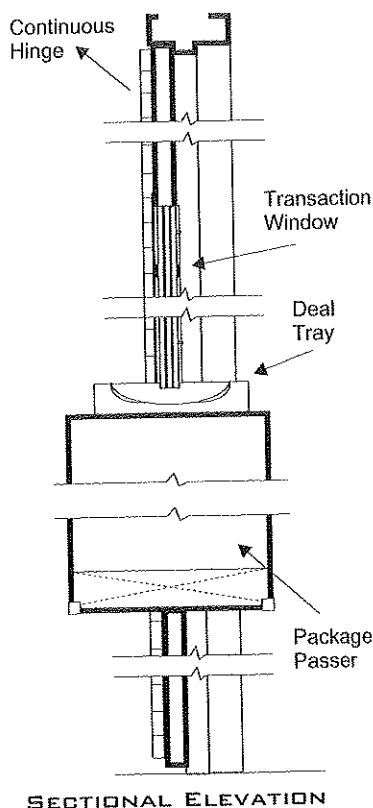
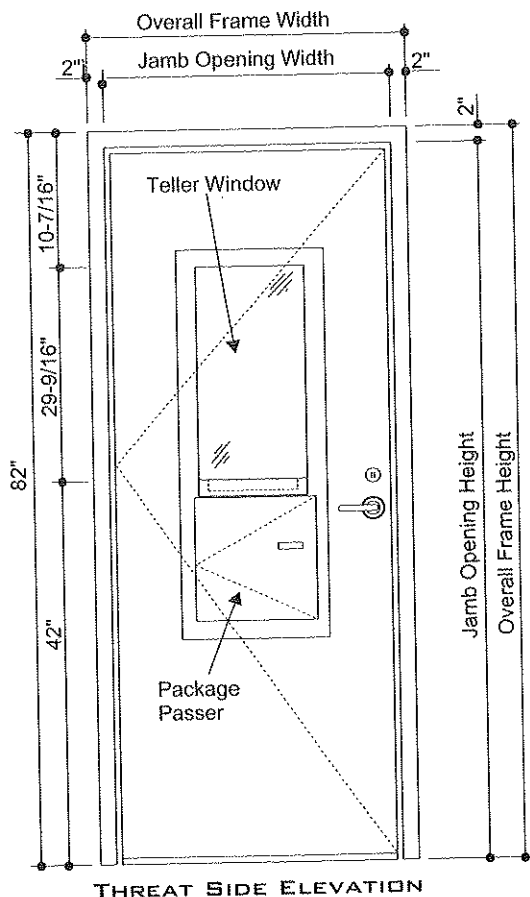
EXTRA COST OPTIONS:

- Control handle with key,
- Weatherstripping for exterior door.

Standard Sizes

Model	Jamb Opening Size	O.A. Frame	Min. Wall Opening	Shipping WT. Lbs. Lvl 1 -3
STANDARD BUILT-IN FRAME				
DR 3684	3'0"x 7'0"	40"x 86"	40 1/2"x 86 1/2"	395/675
CLAMP-ON FRAME				
DR 3684	3'0"x 7'0"	40"x 86"	38 1/2"x 85 1/2"	395/675

Custom and special Door/Frame and size conditions are available. Please contact CBPS.



MODEL CDR

PART 1 - GENERAL

PART 2 - PRODUCTS

(2.01) DOOR/FRAME ASSEMBLIES: Standard CDR Commercial Door/Frame assembly with UL label by Chicago Bullet Proof Systems, 12 E. Old Mill Lane, Burr Ridge, IL 60527, tel: 800.690.9160. *Non-UL labeled assemblies are not acceptable.*

- A. Chicago Bullet Proof Systems Standard CDR Commercial Door/Frame Assembly with UL label for assembly. Door/Frame shall be constructed from UL listed Shot-Tex bullet-resistant steel and shall bear a UL label.
- B. Finish: Prior to pre-hanging door in frame, all exposed welds shall be ground smooth and assembly shall be given a spray coat of rust-inhibiting primer at the factory.
- C. Frame: Jamb opening shall be _____ inches wide by _____ inches high. Frame profile shall be double rabbeted and have a 2 inch face dimension by 5-1/2 inch depth. Corners shall be mitered, welded and ground smooth. Knock down frames are unacceptable. Door frames shall have 6 T-strap anchors for installation into new coursed masonry walls (or shall be prepped for existing masonry opening, or shall be prepped for built in stud wall installation).
- D. Doors: Doors shall be of all welded construction. Doors are 1-3/4 inches thick with 1/8 inches thick internal reinforcing channels.
- E. Preparation: Door/Frame assembly shall be mortised, reinforced, drilled and tapped at the factory in preparation for mortise lockset.
- F. Hardware and Accessories: Provide the assembly manufacturer's standard door package hardware and accessories, including:
 - 1. Sargent 8204 mortise lockset with LNJ lever trim or equal.
 - 2. A Yale 4400 heavy duty closer.
 - 3. Continuous CBP #12252 stainless steel bullet-resisting hinge shall be drilled and tapped at the factory.
 - 4. Other hardware shall include 3 Glynn-Johnson #64 silencers and 6 adjustable strap anchors for masonry walls.
 - 5. Other options: **Electric Strike**, Folger Adam 310-2-3/4, 24VAC. x LCBMA x (satin chromium)finish. (Note: Access control and transformer for electric strike are supplied by installer) **Insulation** is batt type fiberglass. **Threshold** of extruded aluminum with mill finish. **Weather-stripping** at head and jambs with self-adhesive silicone seal. **EMA prep:** manufacturer provides bolt and screw anchor preparation and proper frame reinforcement. (Note: Bolt or screw anchors are provided by installer)
- G. Vision panel: Vision panel shall be _____ inches wide by _____ inches high with flush appearance on threat side and applied glazing stops on the protected side. Stops shall have mitered corners and the same finish as the door.

- H. Glass Armor: UL 752 listed bullet resistant transparent laminated type glass (or type glass clad polycarbonate) of _____ (see below) thickness and UL listed level _____ (see below). Manufacturer shall furnish acoustic rubber spacers. All other glazing materials shall be provided by glazier.

<u>Glass Thickness</u>	<u>Glass Clad Polycarbonate</u>	<u>UL level*</u>
1-3/16"	3/4"	level 1
1-1/2"	1"	level 2
1-3/4"	1-3/16"	level 3
2"	1-1/4"	level 4
	2-3/8"	level 5 (w/o Package Passer)
	2-3/8"	level 8 (w/o Package Passer)

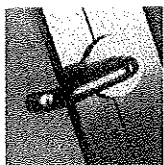
- I. Sill: Sill shall be stainless steel with integral deal tray and voice panel and shall be 3 inches high by the width of the window by 11 inches. Sill is bolted to three sided window frame.
- J. Deal Tray/Voice Panel Sill: Window shall be single deal tray type with voice panels adjacent to the deal tray in sill. Deal tray shall be sized to pass items not exceeding 12-3/4" width and 1-5/8" height and shall be mortised and integral to sill. Voice panels shall include an acoustically balanced natural voice transmission system. Deal tray and voice panels shall be of stainless steel with brushed finish.
- K. OPTIONAL: Chicago Bullet Proof Systems standard PP with UL label for assembly in door below the window. Package passer shall be construction from Chicago Bullet Proof's certified Shot-Tex bullet resistant steel and shall bear a UL label.
1. Size: Package passer shall have an interior clear dimension of 14-3/8 inches wide by 11-5/8 inches high by 12-5/8 inches deep. The required wall opening shall be 16-1/2 inches wide by 16 inches high. Maximum wall thickness shall not exceed 9-1/4 inches.
 2. Hardware: Package passer shall have mechanically interlocking doors permitting only one door to be opened at a time, and shall be complete with hardware consisting of:
 - a. **Hinges:** a continuous heavy duty hinge on both doors
 - b. **Pull handles:** stainless steel pull handle on exterior door and three position control handle on interior door permitting: exterior unlocked-interior locked, both doors locked, or exterior locked-interior unlocked.
 - c. **Closer:** return spring closer on exterior door.
 - d. **Options:** Control handle with key lock and weather stripping for exterior doors.
 3. Finish: Finish for package passer shall be _____ (select one from below)
 - a. all prime painted.
 - b. an exterior door and mounting from of brushed stainless steel and the balance of unit shall be prime painted.

or

- c. all exposed surfaces of both doors, both mounting frames, body and interior shelf of brushed stainless steel and the balance of unit shall be prime painted.
- 4. Package passer assembly shall be UL listed and labeled to ballistic levels defined in the Standard for Safety UL 752 for the following ballistic level * _____ (level 1, level 2, level 3, level 4)
- L. Commercial Door/Frame assembly shall be UL listed and labeled to ballistic levels defined in the Standard for Safety UL 752 for level* _____ (select one: level 1, level 2, level 3, level 4, level 5, level 6, *w/o package passer*, or level 8 *w/o package passer*)

**** Consult CBP's list of UL label definitions to select the best level for your application.***

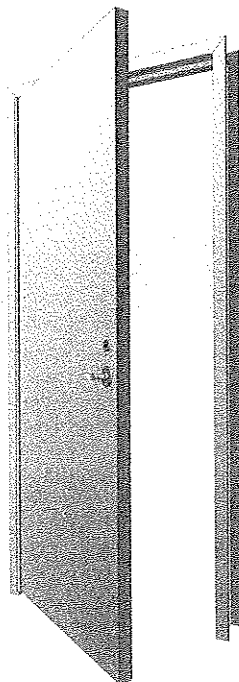
PART 3 - EXECUTION



DUEL LABEL

BULLET & FIRE RESISTANT DOOR

DL



APPLICATIONS- INTERIOR/EXTERIOR

Secured areas with fire walls, test cells, nuclear facilities.

CODE COMPLIANCE

The DL Series is in compliance with criteria as described in **Title 10, Code of Federal Regulations (CFR) 73.55 and 73.2.**

Assemblies are listed and labeled by Underwriters Laboratories, Inc. (**UL**) as being Special Purpose Fire Doors for the three (3) hour fire/hose stream test; in accordance with *Standard for Safety UL 10B*; AND Assemblies are listed and labeled by Underwriters Laboratories, Inc. (**UL**) under *Standard For Safety, UL 752 Bullet-Resisting Equipment* for level 4.

BULLET & FIRE RESISTANT ASSEMBLIES

It should be noted that DL Door/Frame Assemblies can be designed to resist more sophisticated ballistic threats. It is recommended that Chicago Bullet Proof Systems be contacted regarding higher ballistic categories prior to design finalization of Door/Frame Assemblies.

A label bearing certification is affixed to the protected side of frame.

DOORS

- All welded construction.
 - 1-3/4" thick.
 - 1/8" thick internal reinforcing channels Formed from SHOT-TEX brand bullet resistant steel.
 - Core of semi-rigid inorganic insulation.
- SHOT-TEX is a registered trademark of CBPS.

FRAME

- Double rabbet profile, 2"x 5-1/2".
- Formed from SHOT-TEX brand bullet resistant steel.
- Mitered and welded corners.
- (6) strap anchors for installation into coursed masonry walls.

STANDARD HARDWARE

- Chicago Bullet Proof Systems' standard package includes the following hardware and related items:
- Sargent 18-8204 mortise lockset x LNJ (lever) trim x US26D (satin chrome) finish.
 - Function is ANSI F07 (storeroom or closet function):
 - Key locking cylinder on the threat side/operative lever on interior.
 - Door/Frame assembly is mortised, reinforced, drilled and tapped at the factory for lockset.
 - Heavy duty closer: Yale 440 x Aluminum finish.
 - Mounted at the site by others, all drilling and tapping by a field installer.
 - CBP #12252 bullet resisting stainless steel continuous hinge with satin finish.
 - Hinge preps are drilled and tapped at the factory.
 - Silencers.
 - Six (6) strap anchors for coursed masonry walls 24" O.C. (max) on each jamb.

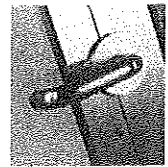
FINISH

- Prior to pre-hanging a door in frame and fitting the lockset at the factory, the door and frame are degreased, all welds are ground smooth and door/frame assembly is spray-painted with rust-inhibiting primer.

DL



DUEL LABEL
BULLET & FIRE RESISTANT DOOR



STANDARD OPTIONS

-Folger Adams 310-2-3/4 electric strike x 24VAC x LCBMA x dull chrome finish.

(Access control and/or transformer for electric strike are by others)

-Threshold and Weatherstrip.

-Preparation for bolt or screw anchors including proper frame reinforcements: Four (4) anchors per jamb side. Bolts or screw anchors are provided by the others.

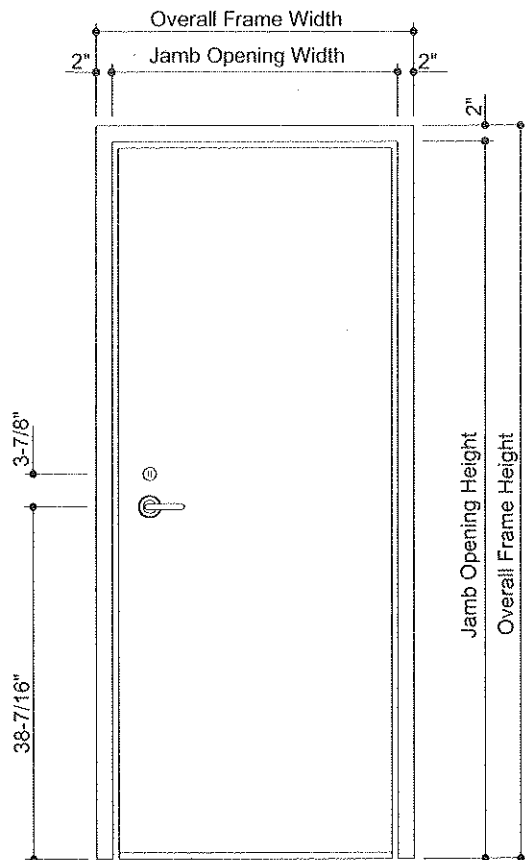
Standard Sizes

Model	Jamb Opening Size	O.A. Frame	Min. Wall Opening	Shipping WT. Lbs.
STANDARD BUILT-IN FRAME				
DR 3280	2'8"x 6'8"	36"x 82"	36 1/2"x 82 1/2"	580
DR 3684	3'0"x 7'0"	40"x 86"	40 1/2"x 86 1/2"	675
DR 4284	3'6"x 7'0"	46"x 86"	46 1/2"x 86 1/2"	780

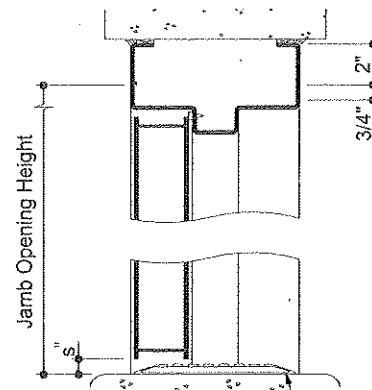
CUSTOM-BUILT UNITS

-Sizes: The maximum sizes available for UL classified fire doors are 3'-6" x 8'-0" for a single door and 7'-0" wide x 8'-0" high for a pair of doors.

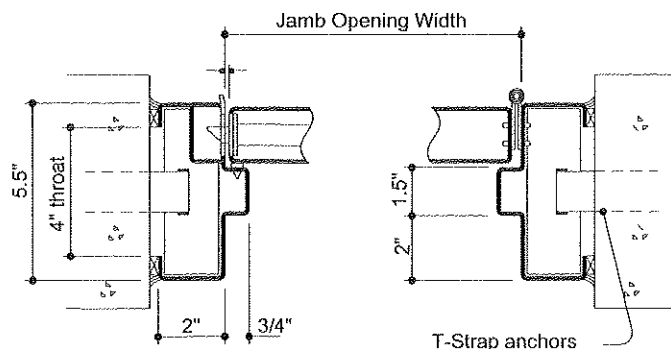
-Hardware: Using hardware on DL Doors/Frames Assemblies other than those items listed above, may negate the UL label. Chicago Bullet Proof Systems should be consulted on all hardware changes prior to finalization of design to ensure both fire and ballistic security.



THREAT SIDE ELEVATION



SECTION VIEW



PLAN VIEW

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MODEL DL

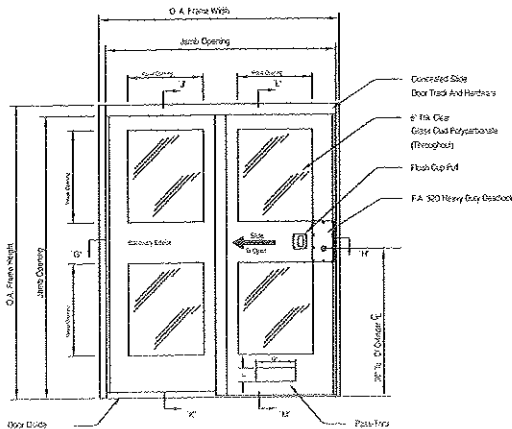
PART I - GENERAL

PART 2 - PRODUCTS

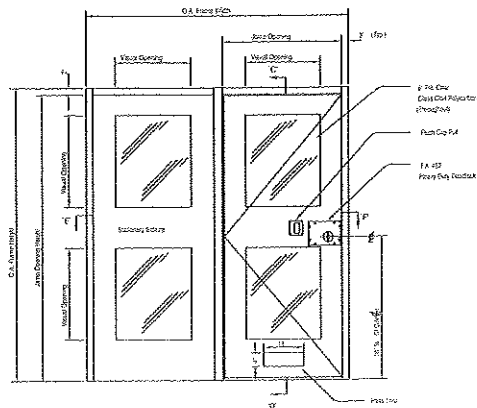
(2.01) **BULLET RESISTANT AND FIRE RESISTANT DOOR/FRAME ASSEMBLIES:** Standard DL Dual Label Door and Frame assembly with UL label by Chicago Bullet Proof Systems, 12 E. Old Mill Lane, Burr Ridge, IL 60527, tel: 800.690.9160. *Non-UL labeled assemblies are not acceptable.*

- A. Chicago Bullet Proof Systems Standard DL Bullet Resistant and Fire Resistant Door/Frame with UL label for assembly. Door/Frame shall be constructed from UL listed Shot-Tex bullet-resistant steel and shall bear a UL label.
- B. Finish: Prior to pre-hanging door in frame, all exposed welds shall be ground smooth and assembly shall be given a spray coat of rust-inhibiting primer at the factory.
- C. Frame: Jamb opening shall be _____ inches wide by _____ inches high. Frame profile shall be double rabbeted and have a 2 inch face dimension by 5-1/2 inch depth. Corners shall be mitered, welded and ground smooth. Knock down frames are unacceptable. Door frames shall have 6 T-strap anchors for installation into new coursed masonry walls (or be prepped for existing masonry opening).
- D. Doors: Doors shall be of all welded construction. Doors are 1-3/4 inches thick with 1/8 inches thick internal reinforcing channels.
- E. Preparation: Door/Frame assembly shall be mortised, reinforced, drilled and tapped at the factory in preparation for mortise lockset.
- F. Hardware and Accessories: Provide the assembly manufacturer's standard door package hardware and accessories, including:
 - 1. Sargent 18-8204 mortise lockset with LNJ lever trim or equal.
 - 2. A Yale 4400 heavy duty closer.
 - 3. Continuous CBP #12252 stainless steel bullet-resisting hinge shall be drilled and tapped at the factory.
 - 4. Other hardware shall include 3 Glynn-Johnson #64 silencers and 6 adjustable strap anchors for masonry walls.
 - 5. Other options: **Electric Strike**, Folger Adam 310-2-3/4, 24VAC. x LCBMA x (satin chromium)finish. (Note: Access control and transformer for electric strike are supplied by installer) **Insulation** is batt type fiberglass. **Threshold** of extruded aluminum with mill finish. **Weather-stripping** at head and jambs with self-adhesive silicone seal. **EMA prep:** manufacturer provides bolt and screw anchor preparation and proper frame reinforcement. (Note: Bolt or screw anchors are provided by installer)
- G. Door/Frame assembly shall be UL listed and labeled to ballistic level 4 as defined in the Standard for Safety UL 752, and Doors shall be classified by Underwriters' Laboratories, Inc. (UL) as being Special Purpose Fire Doors for the Three (3) hour fire/hose stream test; in accordance with Standard for Safety UL 10B.

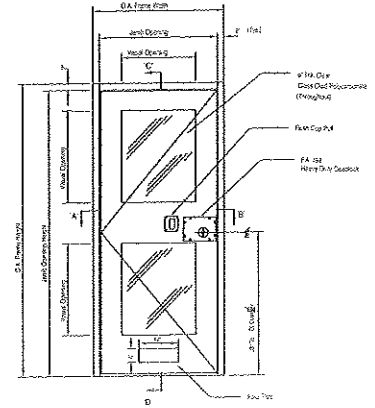
PART 3 - EXECUTION



SLIDING DOOR ELEVATION
1/4" Side View
(Exterior Side)



SWING DOOR WITH SIDELITE ELEVATION
(Exterior Side)



SWING DOOR ELEVATION
(Exterior Side)

APPLICATIONS- INTERIOR/EXTERIOR
Secured areas with fire walls, test cells, nuclear facilities.

CODE COMPLIANCE

The DL Series is in compliance with criteria as described in **Title 10, Code of Federal Regulations (CFR) 73.55 and 73.2.**

Assemblies are listed and labeled by Underwriters Laboratories, Inc. (UL) as being Special Purpose Fire Doors for the three (3) hour fire/hose stream test; in accordance with *Standard for Safety UL 10B*; AND Assemblies are listed and labeled by Underwriters Laboratories, Inc. (UL) under *Standard For Safety, UL 752 Bullet-Resisting Equipment* for level 4.

BULLET & FIRE RESISTANT ASSEMBLIES

It should be noted that DL Door/Frame Assemblies can be designed to resist more sophisticated ballistic threats. It is recommended that Chicago Bullet Proof Systems be contacted regarding higher ballistic categories prior to design finalization of Door/Frame Assemblies.

A label bearing certification is affixed to the protected side of frame.

DOORS

- All welded construction.
- 1-3/4" thick.
- 1/8" thick internal reinforcing channels Formed from SHOT-TEX brand bullet resistant steel.
- Core of semi-rigid inorganic insulation.
- SHOT-TEX is a registered trademark of CBPS.

FRAME

- Double rabbet profile, 2"x 5-1/2".
- Formed from SHOT-TEX brand bullet resistant steel.
- Mitered and welded corners.
- (6) strap anchors for installation into coursed masonry walls.

STANDARD HARDWARE

- Chicago Bullet Proof Systems' standard package includes the following hardware and related items:
- Sargent 18-8204 mortise lockset x LNJ (lever) trim x US26D (satin chrome) finish.
- Function is ANSI F07 (storeroom or closet function):
- Key locking cylinder on the threat side/operative lever on interior.
- Door/Frame assembly is mortised, reinforced, drilled and tapped at the factory for lockset.
- Heavy duty closer: Yale 440 x Aluminum finish.
- Mounted at the site by others, all drilling and tapping by a field installer.
- CBP #12252 bullet resisting stainless steel continuous hinge with satin finish.
- Hinge preps are drilled and tapped at the factory.
- Silencers.
- Six (6) strap anchors for coursed masonry walls 24" O.C. (max) on each jamb.

FINISH

- Prior to pre-hanging a door in frame and fitting the lockset at the factory, the door and frame are degreased, all welds are ground smooth and door/frame assembly is spray-painted with rust-inhibiting primer.

Since 1932, Chicago Bullet Proof Systems, Inc. has built a reputation for being a leading manufacturer of physical security systems. Our barrier systems have undergone extensive testing procedures at U.L., H.P. White Laboratory, Inc. and other nationally recognized testing facilities to meet security standards set by independent and government agencies. Strict design, purchasing, manufacturing and packing/shipping procedures are implemented by Chicago Bullet Proof for all orders.

CBP's detention cell door assemblies, series DT, are designed to withstand the rigors of physical assault and to meet the requirements for suicide prevention. The large vision panels glazed with transparent armor for 24-hour inmate surveillance and supervision. These doors are intended for temporary and permanent confinement found at municipal and county lock-ups, holding cells and drunk tanks.

The construction methods and materials used in our detention cell door systems go beyond conventional hollow metal door standards. As a minimum, CBP's doors utilize 10 ga. Steel thus adding extra durability and rigidity to the overall door composition. Interior stiffeners which are welded to the door's inner face sheets provide additional reinforcement and resistance against prolonged attack. The glazing product and standard hardware packages selected are ideal for high security applications.

Two door operations are available, a *manual sliding* and a *single swing* door. A stationary sidelite can be furnished with the either detention door system. A complete full vision cell front can be achieved through the installation of the sidelite panel along with either door system.

DOOR AND SIDELITE CONSTRUCTION

Doors and sidelite assembly are 1-3/4" thick constructed from 10 ga. Hot rolled face sheets reinforced with 10 ga. stiffeners, two vertical and 24" O.C. horizontally. Exposed welds are ground and filled and finished smooth. The swing door shall open into the corridor side, reverse bevel function.

FRAME

■ Swing Door

The swing door assembly, model DT, has a double rabbet profile, 2" x 5-1/2" and is constructed from 10 ga. Hot rolled steel with continuously welded corner joints. Standard swing door frames are supplied with six (6) "T" strap anchors for installation into coursed masonry walls. When positioning the Door/Frame assembly with an existing opening, the frame can be prepped for countersunk expansion bolt or screw anchors with proper frame reinforcements (Bolt or screw anchors are to be provided by installer in accordance with wall conditions.)

■ Swing Door with Optional Sidelite Panel

The sidelite panel on the DT/C unit shall attach to the door frame assembly. A special division mullion anchored to the frame at the header section and secured to the floor forms a three-sided frame unit. Continuous angles welded to the frame, the division mullion joining the panel section along the jambs and the header on the corridor side provide additional strength to the cell front structure. The frame and mullion are fastened to the floor by expansion bolt anchors and secured to the wall opening by the same method as the swing door assembly.

■ Sliding Door with Optional Sidelite Panel

The sliding door frame, model DTS, is formed from 10 ga. Steel with corner joints fitted tight and continuously welded. The header track is a DT continuous piece extending the full width of the jamb opening and attaches to the wall with tamper-resistant screws. A formed angle, attached to the header section, conceals the track operator on the corridor side. Channel members securely welded to the exterior jamb sections reinforce the sliding door and sidelite against undo pressure. Frame members are anchored to the coursed masonry wall opening with six (6) "T" strap anchors supplied by CBP. When fastening to an existing opening, the jamb sections will be prepped for jamb anchors.

HARDWARE

Chicago Bullet Proof's standard detention door package includes the following hardware and related items:

Swing Door

- Folger Adams No. 82 deadlock X prime finish x HM lock mounting plate x 80-4b x (10) parametric key. The lockset function is keyed on one side. Door/Frame is mortised reinforced, drilled and tapped at the factory for the lockset.
- Folger Adams No. 4 flush cup pull x US4 (satin finish). The Door assembly is reinforced for surface hardware and mounted and is mounted on corridor side.
- CBP No. 12252 continuous hinge x prime finish. The hinge preps are drilled and tapped at the factory.
- Glynn-Johnson No. 64 silencers.

Sliding Door

- Folger Adams No. 32D deadlock x prime finish x HM
- lock mounting plate x 30-4b strike x (1) paracentric key. The lockset function is keyed on one side. Door/Frame is mortised, reinforced, drilled and tapped at the factory for the lockset.
- Folger Adams No. 4 flush cup pull x US4 (satin finish). The door is reinforced for surface hardware and mounted on corridor side.

- CBP No. 516 aluminum sliding track. CBP No. 515 aluminum trucks with delrin ball bearings, manula function. Header section is reinforced, drilled and tapped at the factory for operator to be installed at jobsite.
- Glynn-Johnson No. 64 silencers.

FOOD PASS AREA

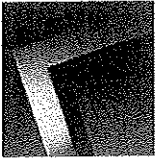
An opening, 12" wide x 4" high, positioned below the lower vision door panel provides a means for passing the food tray to the inmate. The opening allows the inmate to leave the tray on the corridor side when finished with the meal.

GLAZING

The detention cell doors as a standard are supplied with attack resistant transparent armor, 22-1/2" wide x 27-1/2" high x 11/16" thick clear glass clad polycarbonate, with glass surfaces facing both sides. The glass is drop-glazed into each panel and secured by a formed glazing stop of heavy gauge steel. (Chicago Bullet Proof does not factory glaze the doors or sidelites: this is the responsibility of the installer.) Continuous rubber gasketing around the window frame edges clamps glazing in place. Sealants (recommended by CBP) are to be supplied by the installer.

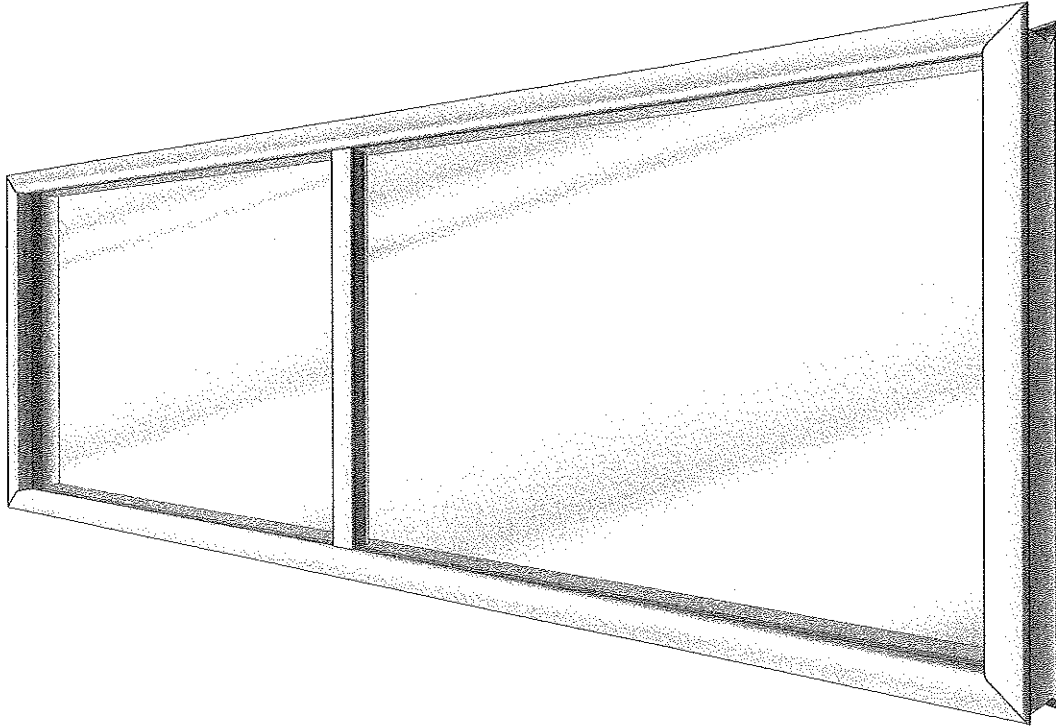
FINISH

Prior to pre-hanging door in frame and fitting the lockset at the factory, the door and frame are degreased using a phosphate etch, all welds are ground down smooth and the assembly is spray painted with an rust-inhibiting primer (medium grey). Factory paint is available and must be specified at the time of order.



**BULLET RESISTANT
STANDARD VISION WINDOW**

SVL



APPLICATIONS-INTERIOR/EXTERIOR

CODE COMPLIANCE

-Assembly is listed and labeled by Underwriters Laboratories, Inc. (UL) under *Standard for Safety UL 752, Bullet Resisting Equipment* for:
★Level 1 ★Level 2 ★Level 3 ★Level 4 ★Level 5
★Level 6 ★Level 8

A label bearing certification is affixed to the frame on the protected side of the frame.

FRAMING

-Frame profile is 2" x 5-1/2".
-Single rabbet with an applied glazing stop on protected side.
-Formed from SHOT-TEX brand bullet-resistant steel.
-Corners are mitered and welded.
-4-sided.

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FRAME FINISH

Prime painted (-P) Satin stainless steel (-S)

TRANSPARENT ARMOR

-UL Listed bullet resistant transparent armor supplied with frame.
-Shipped in a separate crate.
-Field glazing is required.
-Laminated glass is standard.

Optional transparent armors: Glass clad polycarbonate, Glass clad polycarbonate with air gap, Laminated polycarbonate, Acrylic.

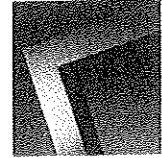
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SVL

BULLET PROOF
BULLET RESISTANT
STANDARD VISION WINDOW



INSTALLATION

SVL Vision Windows are designed to be built into coursed masonry wall construction. Each frame is supplied with 6 adjustable "T"-strap anchors that insert between the courses to block or brick.

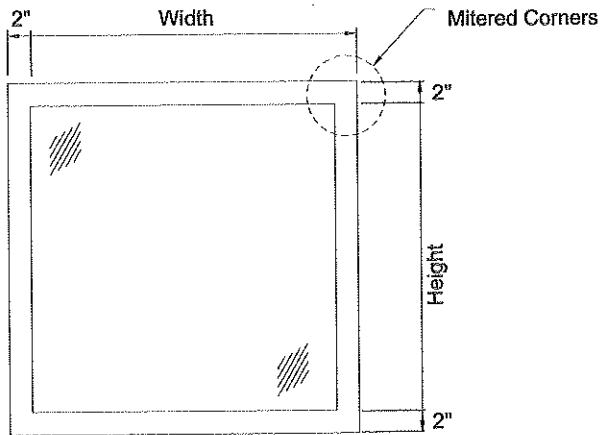
Special preparation for EMA anchors (9/32" holes) or dry wall installation must be requested at the time of ordering.

Standard Sizes

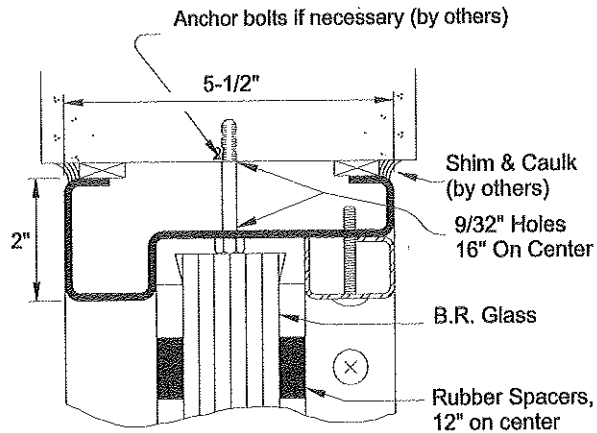
Model	O.A. Size	Recommended Wall Opening	Min. Shipping Weight
SVL24	24" x 36"	24-1/2" x 36-1/2"	175
SVL30	30" x 36"	30-1/2" x 36-1/2"	210
SVL36	36" x 36"	36-1/2" x 36-1/2"	240
SVL60	60" x 36"	60-1/2" x 36-1/2"	370
SVL96	96" x 36"	96-1/2" x 36-1/2"	560

NOTES

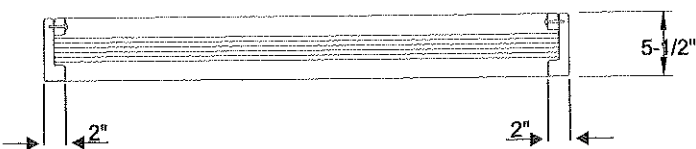
- Special frame, glass, and size conditions are available.** Please contact CBPS.
- Frames over 96" wide have one vertical division mullion dividing frame into two equal transparent panels.
- Frames over 180" wide are shipped in two sections for convenience in handling and must be reassembled by the installer.
A factory prepared spline joint secures the two sections together.



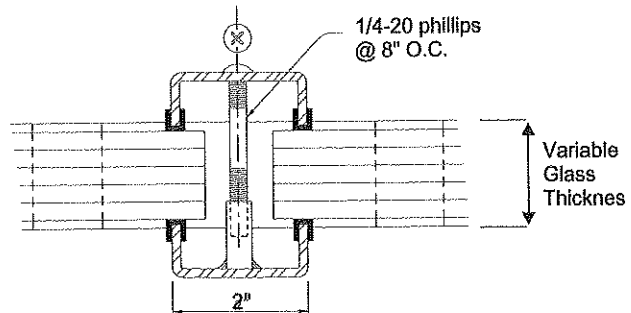
ELEVATION



HEAD/JAMB



PLAN



DIVISION MULLION FOR UNITS 96" & OVER

MODEL SVL

PART 1 - GENERAL

PART 2 - PRODUCTS

(2.01) **BULLET RESISTANT VISION WINDOW:** Standard SVL vision window with UL label by Chicago Bullet Proof Systems, 12 E. Old Mill Lane, Burr Ridge, IL 60527, tel: 800.690.9160. *Non-UL labeled assemblies are not acceptable.*

- A. Chicago Bullet Proof Systems Standard SVL Standard Vision Window with UL label for assembly. Vision window shall be constructed from Chicago Bullet Proof's certified Shot-Tex bullet-resistant steel and shall bear a UL label. Vision window shall be complete with single rabbeted frame formed to a profile of 2 inches by 5-1/2 inches with applied glazing stop on protected side. Frame shall be four-sided with mitered and fully welded corners. Exposed welds shall be ground smooth and finished flush with adjoining surfaces, free of holes or defects.
- B. Vision window shall be Model SVL with overall size of _____ inches wide by _____ inches high.
- C. Frame Finish: Finish for vision window frame shall be _____. (prime painted or stainless steel with brushed finish).
- D. Glass Armor: UL 752 listed bullet resistant transparent laminated type glass of _____ (see below) thickness and UL listed level _____ (see below).

<u>Glass Thickness</u>	<u>Glass Clad Polycarbonate</u>	<u>UL level*</u>
1-3/16"	3/4"	level 1
1-1/2"	1"	level 2
1-3/4"	1-3/16"	level 3
1-3/4"	1-1/4"	level 4
2"	2-3/8"	level 5
	1-1/4"	level 6
	2-3/8"	level 8

- E. Vision window assembly shall be UL listed and labeled to ballistic levels defined in the Standard for Safety UL 752 for level* _____. (select one: level 1, level 2, level 3, level 4, level 5, level 6, or level 8)

*** Consult CBP's list of UL label definitions to select the best level for your application.**

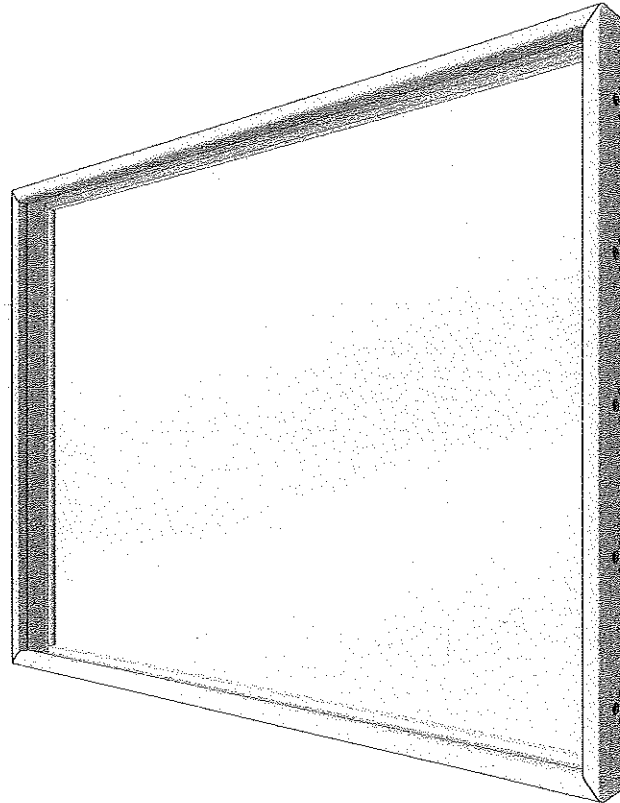
- Notes:**
- 1. Modifications can be done to units for exterior installations, contact manufacturer.
 - 2. A 96 inches wide unit has one 2 inch wide vertical division mullion dividing frame into two equal transparent panels.
 - 3. Special frame, glass, and size conditions are available, contact manufacturer.

PART 3 - EXECUTION



**BULLET RESISTANT
NARROW PROFILE VISION WINDOW**

NVL



APPLICATIONS-INTERIOR, MAXIMUM VISION,
MINIMAL FRAME

CODE COMPLIANCE

-Assembly is listed and labeled by Underwriters Laboratories, Inc. (UL) under *Standard for Safety UL 752, Bullet Resisting Equipment* for:

★Level 1 ★Level 2 ★Level 3 ★Level 4 ★Level 6

A label bearing certification is affixed to the protected side of frame.

FRAMING

- Frame profile is 1-1/4"x 3-1/4" for ballistic Levels 1 & 2.
- Frame profile is 1-1/4"x 3-3/4" for ballistic Levels 3 & 4.
- Formed from SHOT-TEX brand bullet-resistant steel.
- Mitered and welded corners.
- 4-sided.
- Applied glazing stop on protected side.

SHOT-TEX is a registered trademark of CBPS

FRAME FINISH

Prime painted (-P) Satin stainless steel (-S)

TRANSPARENT ARMOR

- UL listed bullet resistant transparent armor supplied with frame.
- Shipped in a separate crate.
- Includes acoustic rubber spacers for seating transparent armor into framing.
- Field glazing is required.
- Laminated glass is standard.

Optional transparent armors: Glass clad polycarbonate, Glass clad polycarbonate with air gap, Laminated polycarbonate, Acrylic.

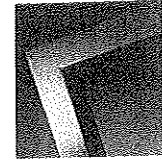
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NVL



**BULLET RESISTANT
NARROW PROFILE VISION WINDOW**



INSTALLATION

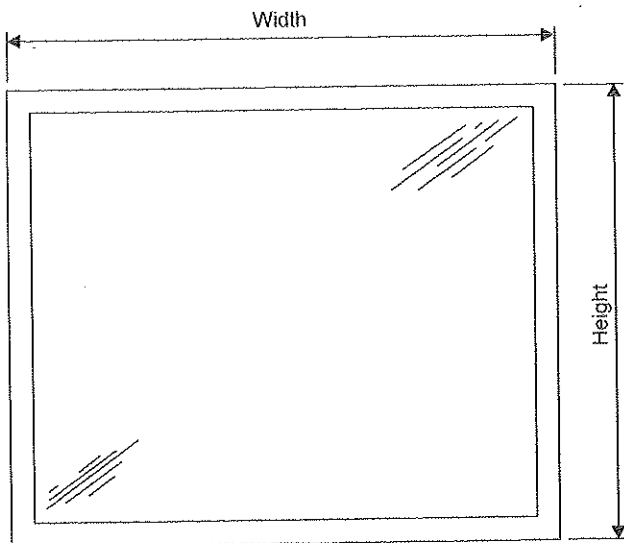
NVL Vision Windows are designed for installation into finished openings within wall construction types such as steel studs, poured concrete, structural steel, etc. through the use of bolt anchors in the frame. Anchor bolts are **not** supplied by Chicago Bullet Proof. The NVL frame is provided with 9/32" diameter holes for bolt anchors.

Standard Sizes

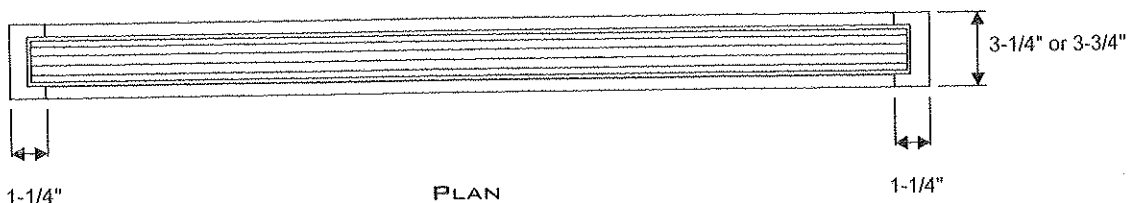
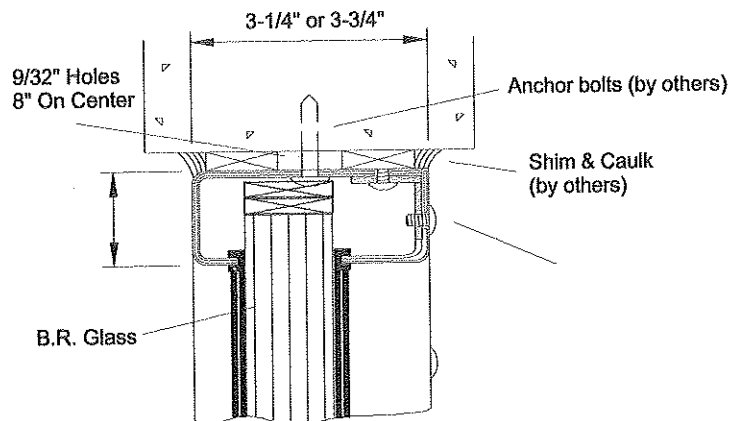
Model	O.A. Size	Recommended Wall Opening	Min. Shipping Weight
NVL24	24" x 36"	24-1/2" x 36-1/2"	113
NVL32	32" x 36"	32-1/2" x 36-1/2"	147
NVL48	48" x 36"	48-1/2" x 36-1/2"	216
NVL60	60" x 36"	60-1/2" x 36-1/2"	268
NVL72	72" x 36"	72-1/2" x 36-1/2"	319

NOTE:

1. **Special frame, glass, sill, ledge and size conditions are available.** Please contact CBPS.



IMPACT SIDE ELEVATION



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MODEL NVL

PART 1 - GENERAL

PART 2 - PRODUCTS

(2.01) **BULLET RESISTANT VISION WINDOW:** Standard NVL narrow profile vision window with UL label by Chicago Bullet Proof Systems, 12 E. Old Mill Lane, Burr Ridge, IL 60527, tel: 800.690.9160. *Non-UL labeled assemblies are not acceptable.*

- A. Chicago Bullet Proof Systems NVL Narrow Profile Vision Window with UL label for assembly. Vision window shall be constructed from Chicago Bullet Proof's certified Shot-Tex bullet-resistant steel and shall bear a UL label. Narrow profile service window shall be complete with frame formed to a profile of 1-1/4 inches by 3-1/4 inches (for Level 1 & 2) or 1-1/4 inches by 3-3/4 inches (for Level 3, 4, 6). An applied glazing stop shall be on the protected side. Frame shall be four-sided with mitered and fully welded corners. Exposed welds shall be ground smooth and finished flush with adjoining surfaces, free of holes or defects.
- B. Vision window shall be Model NVL with overall size of _____ inches wide by _____ inches high.
- C. Frame Finish: Finish for vision window frame shall be _____. (prime painted or stainless steel with brushed finish).
- D. Glass Armor: UL 752 listed bullet resistant transparent laminated type glass of _____ (see below) thickness and UL listed level _____ (see below).

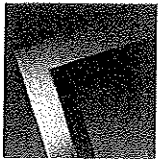
<u>Glass Thickness</u>	<u>UL level *</u>
1-3/16"	level 1
1-1/2"	level 2
1-3/4"	level 3
2"	level 4
1-3/4"	level 5

- E. Vision window assembly shall be UL listed and labeled to ballistic levels defined in the Standard for Safety UL 752 for level* _____. (select one: level 1, level 2, level 3, level 4, level 5)

*** Consult CBP's list of UL label definitions to select the best level for your application.**

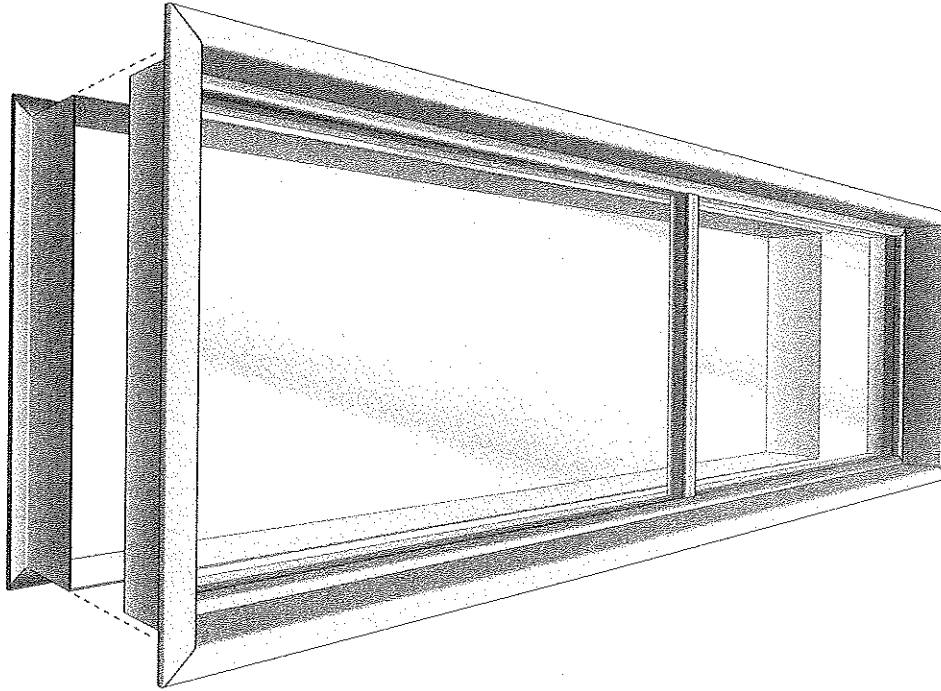
- Notes:**
- 1. Modifications can be done to units for exterior installations, contact manufacturer.
 - 2. A 96 inches wide unit has one 2 inch wide vertical division mullion dividing frame into two equal transparent panels.
 - 3. Special frame, glass, and size conditions are available, contact manufacturer.

PART 3 - EXECUTION



**BULLET RESISTANT
CLAMP-ON VISION WINDOW**

CVL



APPLICATIONS - INTERIOR/EXTERIOR

-Guardhouses, control rooms, entry control, cashier areas.

CODE COMPLIANCE

Assembly is listed and labeled by Underwriters Laboratories, Inc. (UL) under *Standard for Safety UL 752, Bullet Resisting Equipment* for:

★Level 1 ★Level 2 ★Level 3 ★Level 4 ★Level 6

A label bearing certification is affixed to the protected side of the frame.

FRAMING

- Telescopic to adjust to wall thicknesses varying from 4-1/2" to 8-1/2" by clamping the wall opening.
- Formed from SHOT-TEX brand bullet resistant steel.
- Mitered and welded corners.
- Single rabbet with an applied glazing stop on the protected side.

SHOT-TEX is the registered trademark of Chicago Bullet Proof Systems.

FRAME FINISH

Prime painted (-P) Satin stainless steel (-S)

TRANSPARENT ARMOR

- UL Listed bullet resistant transparent armor supplied with frame.
- Shipped in a separate crate.
- Field glazing is required.
- Laminated glass is standard.

Optional transparent armors: Glass clad polycarbonate, Glass clad polycarbonate with air gap, Laminated polycarbonate, Acrylic

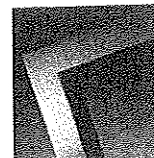
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CVL



**BULLET RESISTANT
CLAMP-ON VISION WINDOW**



INSTALLATION

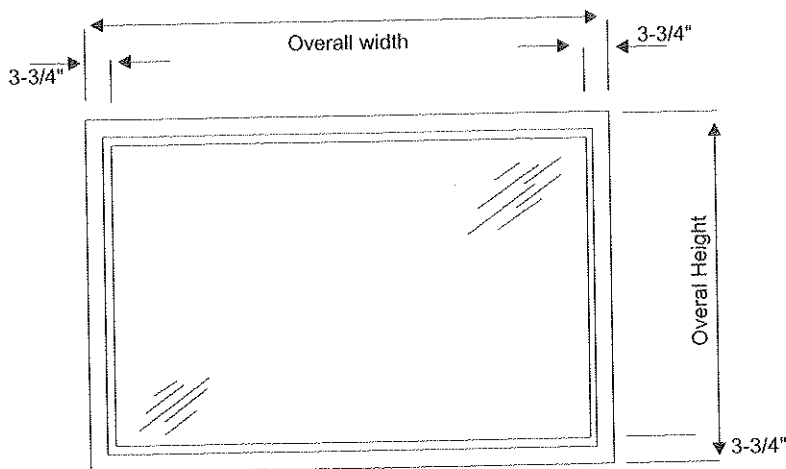
CVL Service Windows "wrap around" the finished wall thickness, concealing the prepared wall opening. Installation is accomplished by blocking the interior flange in place within the wall opening, inserting the exterior clamping flange into interior frame section, and drawing the clamping bolts tight to clamp the wall.

Standard Sizes

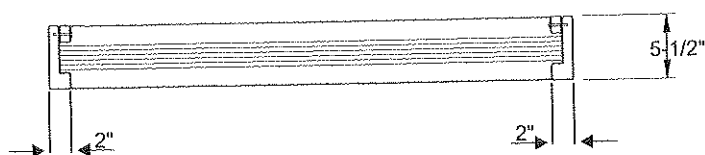
Model	O.A. Size	Recommended Wall Opening	Min. Shipping Weight
CVL24	26 1/4"x 37 3/4"	25"x 36 1/2"	200
CVL32	34 1/4"x 41 3/4"	33" x 40 1/2"	265
CVL48	50 1/4"x 41 3/4"	49"x 40 1/2"	370
CVL60	62 1/4"x 41 3/4"	61"x 40 1/2"	460
CVL72	74 1/4"x 41 3/4"	73"x 40 1/2"	550

NOTE:

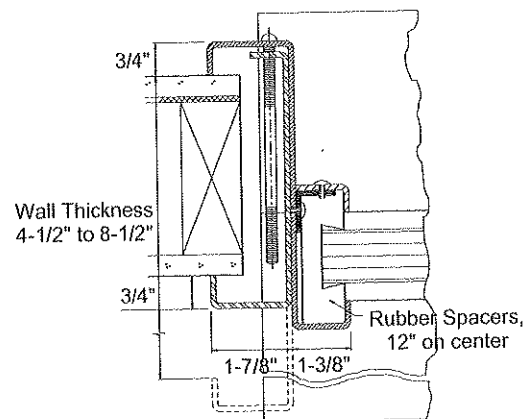
1. **Special frame, glass and size conditions are available.** Please contact the CBPS.
2. The CVL Vision Window can be custom ordered in widths up to 180". CVL Vision windows 120" and greater have one vertical division mullion dividing frame into two equal transparent panels.
3. CVL Vision Windows with widths 120" and greater are shipped in two sections for convenience in handling and shipping. The sections must be assembled in the field by the installer. Factory prepared spline joints secure the two sections together.



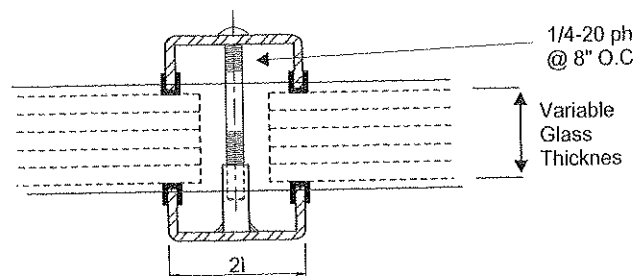
THREAT SIDE ELEVATION



PLAN



HEAD / JAMB



DIVISION MULLION FOR UNITS 96" & OVER

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MODEL CVL

PART 1 - GENERAL

PART 2 - PRODUCTS

(2.01) **BULLET RESISTANT CLAMP-ON VISION WINDOW:** Standard CVL clamp-on vision window with UL label by Chicago Bullet Proof Systems, 12 E. Old Mill Lane, Burr Ridge, IL 60527, tel: 800.690.9160. *Non-UL labeled assemblies are not acceptable.*

- A. Chicago Bullet Proof Systems Standard CVL Clamp-on Vision Window with UL label for assembly. Clamp-on vision window shall be constructed from Chicago Bullet Proof's certified Shot-Tex bullet-resistant steel and shall bear a UL label. Clamp-on vision window shall be complete with adjustable frame for wall thickness from 4-1/2 inches to 8-1/2 inches; with applied glazing stop on the protected side. Frame shall be four-sided with mitered and fully welded corners. Exposed welds shall be ground smooth and finished flush with adjoining surfaces, free of holes or defects.
- B. Clamp-on vision window shall be Model CVL with overall size of _____ inches wide by _____ inches high.
- C. Frame Finish: Finish for clamp-on vision window frame shall be _____. (prime painted or stainless steel with brushed finish).
- D. Glass Armor: UL 752 listed bullet resistant transparent laminated type glass of _____ (see below) thickness and UL listed level _____ (see below).

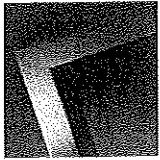
<u>Glass Thickness</u>	<u>UL level*</u>
1-3/16"	level 1
1-1/2"	level 2
1-3/4"	level 3
2"	level 4

- E. Clamp-on vision window assembly shall be UL listed and labeled to ballistic levels defined in the Standard for Safety UL 752 for level* _____. (select one: level 1, level 2, level 3, or level 4, level 6)

*** Consult CBP's list of UL label definitions to select the best level for your application.**

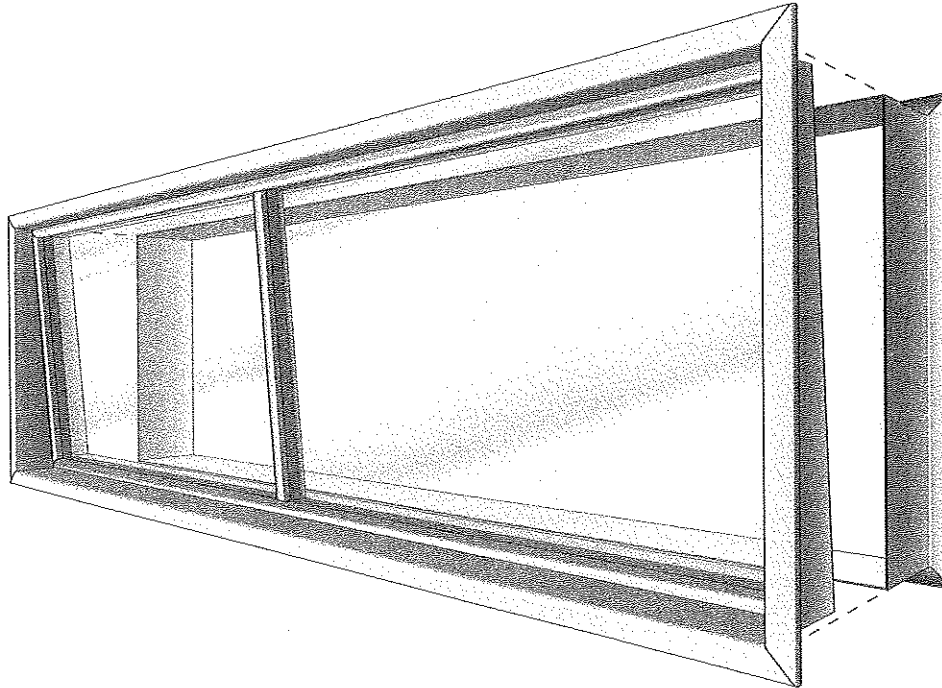
- Notes:**
- 1. Modifications can be done to units for exterior installations, contact manufacturer.
 - 2. A 96 inches wide unit has one 2 inch wide vertical division mullion dividing frame into two equal transparent panels.
 - 3. Special frame, glass, and size conditions are available, contact manufacturer.

PART 3 - EXECUTION



CV

**BULLET RESISTANT
CLAMP-ON VISION WINDOW**



APPLICATIONS - INTERIOR/EXTERIOR

-Guard turrets and towers, bank drive-up, checkpoints, observation towers.

CODE COMPLIANCE

Assembly is listed and labeled by Underwriters Laboratories, Inc. (UL) under *Standard for Safety UL 752, Bullet Resisting Equipment* for:

Level 1 *Level 2 *Level 3 *Level 4 *Level 6

A label bearing certification is affixed to the protected side of the frame.

FRAMING

- Telescopic to adjust to wall thicknesses varying from 8" to 12" by clamping the wall opening.
- Formed from SHOT-TEX brand bullet resistant steel
- Mitered and welded corners.
- Single rabbet with an applied glazing stop on the protected side.
- Subframe for glass is inclined five degrees to vertical, slanted away from the protected side of window to reduce glare.

SHOT-TEX is the registered trademark of Chicago Bullet Proof Systems.

FRAME FINISH

Prime painted (-P) Satin stainless steel (-S)

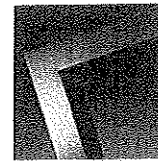
TRANSPARENT ARMOR

- UL listed bullet resistant transparent armor supplied with frame.
- Shipped in a separate crate.
- Field glazing is required.
- Laminated glass is standard.

Optional transparent armors: Glass clad polycarbonate, Glass clad polycarbonate with air gap, Laminated polycarbonate, Acrylic

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INSTALLATION

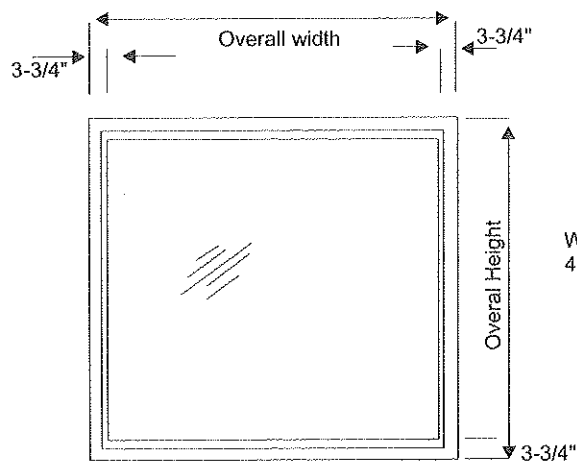
CV Service Windows "wrap around" the finished wall thickness, concealing the prepared wall opening. Installation is accomplished by blocking the interior flange in place within the wall opening, inserting the exterior clamping flange into interior frame section, and drawing the clamping bolts tight to clamp the wall.

Standard Sizes

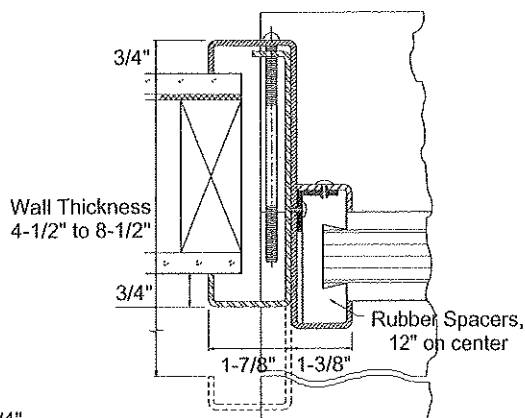
Model	O.A. Size	Recommended Wall Opening	Min. Shipping Weight
Cv 60	60" x 40"	58-1/2" x 38-1/2"	400
Cv 120	120" x 40"	118-1/2" x 38-1/2"	725
Cv 180	180" x 40"	178-1/2" x 38-1/2"	1100

NOTE:

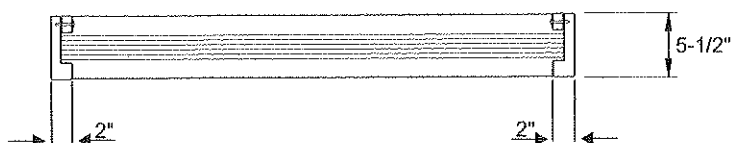
1. **Special frame, glass and size conditions are available.** Please contact CBPS.
2. CV Vision windows 120" and greater have one vertical division mullion dividing frame into two equal transparent panels.
3. CV Vision Windows with widths 120" and greater are shipped in two sections for convenience in handling and shipping. The sections must be assembled in the field by the installer. Factory prepared spline joints secure the two sections together.



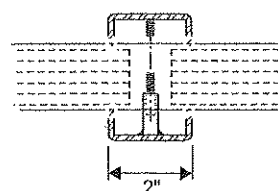
THREAT SIDE ELEVATION



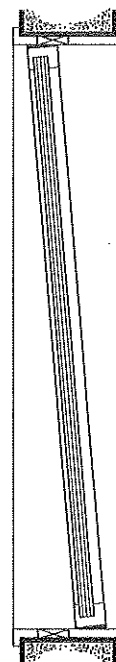
HEAD / JAMB



PLAN



DIVISION MULLION FOR UNITS 96" & OVER



VERTICAL
CROSS SECTION

MODEL CV

PART 1 - GENERAL

PART 2 - PRODUCTS

(2.01) **BULLET RESISTANT CLAMP-ON DRIVE-UP VISION WINDOWS:** Standard CV clamp-on drive-up vision window with UL label by Chicago Bullet Proof Systems, 12 E. Old Mill Lane, Burr Ridge, IL 60527, tel: 800.690.9160. *Non-UL labeled assemblies are not acceptable.*

- A. Chicago Bullet Proof Systems Standard CV Clamp-on Drive-up Vision Window with UL labeled for assembly. Clamp-on vision window shall be constructed from Chicago Bullet Proof's certified Shot-Tex bullet-resistant steel and shall bear a UL label. Clamp-on vision window shall be complete with adjustable frame for wall thickness from 8 inches to 11 inches, with applied glazing stop on the protected side. Transparent armor shall be retained within a subframe which is inclined five degrees to vertical, slanted away from the protected side of the window. Frame shall be four-sided with mitered and fully welded corners. Exposed welds shall be ground smooth and finished flush with adjoining surfaces, free of holes or defects.
- B. Clamp-on service windows shall be Model CV with overall size of _____ inches wide by _____ inches high.
- C. Finish: Finish for clamp-on vision window frame shall be a prime painted interior frame and stainless steel with brushed finish exterior frame.
- D. Glass Armor: UL 752 listed bullet resistant transparent laminated type glass of _____ (see below) thickness and rated level _____ (see below).

<u>Glass Thickness</u>	<u>UL level*</u>
1-3/16"	level 1
1-1/2"	level 2
1-3/4"	level 3
2"	level 4
1-3/4"	level 6

- E. Clamp-on vision windows shall be UL listed and labeled to ballistic levels defined in the Standard for Safety UL 752 for the following ballistic level* _____. (select one: level 1, level 2, level 3, level 4, level 6).

*** Consult CBP's list of UL label definitions to select the best level for your application.**

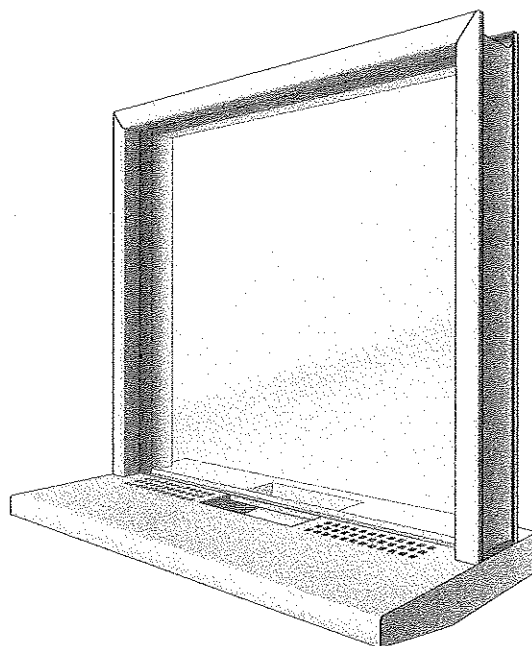
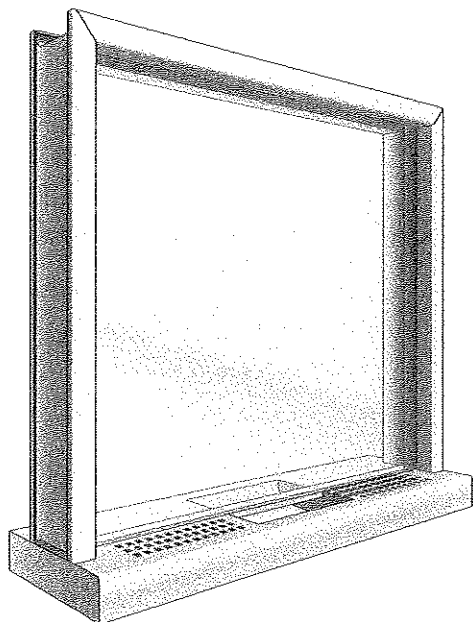
- Notes:**
- 1. The CV120 and CV180 have one vertical division mullion dividing the frames into two equal panels.
 - 2. Special frame, glass, and size conditions are available, contact manufacturer.

PART 3 - EXECUTION



BULLET RESISTANT

STW
STANDARD TRANSACTION WINDOW



APPLICATIONS-INTERIOR

-Areas requiring the capability to transfer currency, documents, and identification badges: guardhouses, control rooms, entry control, cashier.

CODE COMPLIANCE

-Assembly is listed and labeled by Underwriters Laboratories, Inc. (UL) under *Standard for Safety UL 752, Bullet Resisting Equipment* for:

★Level 1 ★Level 2 ★Level 3 ★Level 4 ★Level 5
★Level 6 ★Level 8

A label bearing certification is affixed to the protected side of the frame.

FRAMING

-Frame profile is 2" x 5-1/2".
-Single rabbet with an applied glazing stop on protected side.
-Formed from SHOT-TEX brand bullet-resisting steel
-Corners are mitered and welded.
-3-sided frame bolts to a deal tray/voice panel sill.

FRAME FINISH

Prime painted (-P) Satin stainless steel (-S)

SHOT-TEX is a registered trademark of CBPS

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TRANSPARENT ARMOR

-UL Listed bullet resistant transparent armor supplied with frame.
-Shipped in a separate crate.
-Includes acoustic rubber spacers for seating transparent armor into framing.
-Field glazing is required.
-Laminated glass is standard.

Optional transparent armors: Glass clad polycarbonate, Glass clad polycarbonate with air gap, Laminated polycarbonate, Acrylic.

DEAL TRAY/VOICE PANEL SILLS

-For transacting items not to exceed 12-3/4" in width x 1-5/8" in height.
-Acoustically balanced natural voice transmission.
-Satin stainless steel finish.

As an option, STW60 and STW72 Service Windows can be ordered with two deal tray openings in one sill

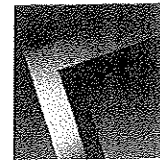
OPTIONAL LEDGE FEATURE

-6-1/2" stainless steel writing ledge extending the full width of the sill.
-On either or both sides of window.
-These options are an integral part of the sill and available only at the time of ordering.

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INSTALLATION

STW Service Windows are designed to be built into coursed masonry wall construction. Each frame is supplied with 6 adjustable "T"-strap anchors that insert between the courses to block or brick.

Special preparation for EMA anchors (9/32" holes) or dry wall installation must be requested at the time of ordering.

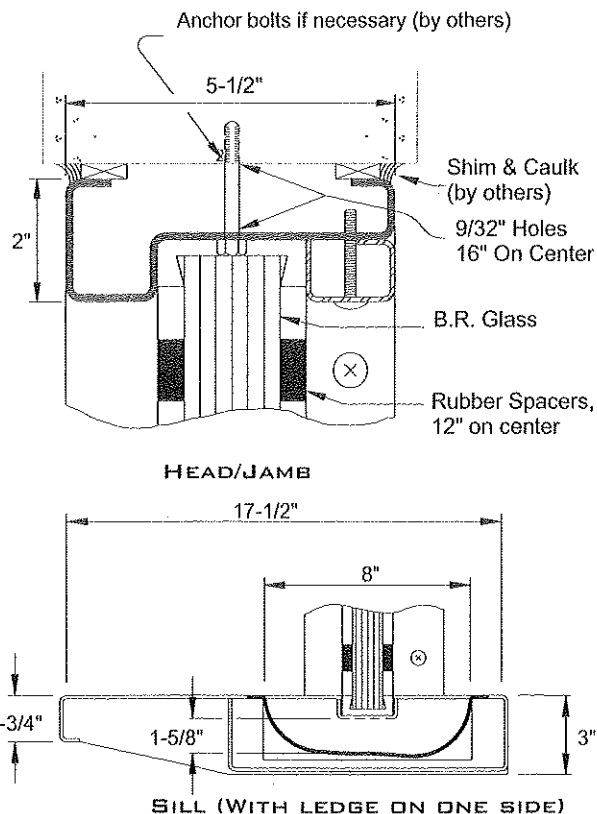
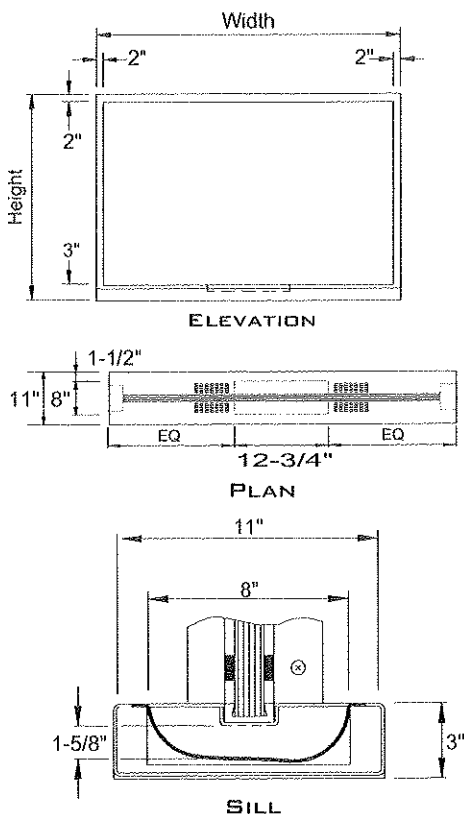
NOTE: SEALANTS OR GLAZING COMPOUNDS ARE NOT TO BE USED TO CLOSE GAPS BETWEEN TRANSPARENT ARMOR AND SERVICE WINDOW FRAME. THIS WILL GREATLY INHIBIT THE NATURAL VOICE TRANSMISSION CAPABILITY.

Standard Sizes

Model	O. A. Size	Recommended Wall Opening	Min. Shipping Weight
STW24	24 x 36	24-1/2" x 36-1/2"	190
STW32	32 x 40	32-1/2" x 40-1/2"	250
STW48	48 x 40	48-1/2" x 40-1/2"	350
STW60	60 x 40	60-1/2" x 40-1/2"	435
STW72	72 x 40	72-1/2" x 40-1/2"	510

NOTES

1. **Special frame, glass, sill, ledge and size conditions are available.** Please contact CBPS.
2. 96" wide windows have one vertical division mullion dividing frame into two equal transparent panels.
3. Double Service Window denoted with a "D," with two deal trays is available.



MODEL STW

PART 1 - GENERAL

PART 2 - PRODUCTS

(2.01) BULLET RESISTANT SERVICE WINDOW: Standard STW service window with UL label by Chicago Bullet Proof Systems, 12 E. Old Mill Lane, Burr Ridge, IL 60527, tel: 800.690.9160.
Non-UL labeled assemblies are not acceptable.

- A. Frame: Chicago Bullet Proof Systems Standard STW, Standard Service Window with UL label for assembly. Standard service windows shall be constructed from Chicago Bullet Proof's certified Shot-Tex bullet resistant steel and shall bear a UL label. Service window shall be complete with single rabbeted frame formed to a profile of 2 inches by 5-1/2 inches with applied glazing stop on the protected side. Frame shall be three-sided with mitered and fully welded corners. Frames shall be bolted to the deal tray/voice panel sill. Exposed welds shall be ground smooth and finished flush with adjoining surfaces, free of holes or defects. *Two-sided frames with glass channel tops are not acceptable.*
- B. Service window shall be Model STW with overall size of _____ inches wide by _____ inches high.
- C. Frame Finish: Finish for service window frame shall be _____. (prime painted or stainless steel with brushed finish)
- D. Sill: Sill shall be stainless steel with integral deal tray and voice panel and shall be 3 inches high by the width of the window by 11 inches. Sill is bolted to three sided window frame.
- E. Deal Tray/Voice Panel Sill: Window shall be single deal tray type with voice panels adjacent to the deal tray in sill. Deal tray shall be sized to pass items not exceeding 12-3/4" width and 1-5/8" height and shall be mortised and integral to sill. Voice panels shall include an acoustically balanced natural voice transmission system. Deal tray and voice panels shall be of stainless steel with brushed finish.
- Over 60 inch wide units may have 2 deal tray openings and 4 voice panels in one sill.*
- F. Writing Ledge: 6-1/2 inch deep by full window width stainless steel writing ledge is integral to sill. (Specify which side writing ledge is to be installed, threat side, non-threat side, or both sides).
- G. Glass Armor: UL 752 listed bullet resistant transparent laminated type glass of _____ (see below) thickness and UL listed level _____ (see below). Manufacturer shall furnish acoustic rubber spacers. All other glazing materials shall be provided by glazier.

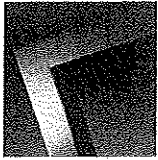
<u>Glass Thickness</u>	<u>Glass Clad Polycarbonate</u>	<u>UL level*</u>
1-3/16"	3/4"	level 1
1-1/2"	1"	level 2
1-3/4"	1-3/16"	level 3
1-3/4"	1-1/4"	level 4
2"	2-3/8"	level 5
	1-1/4"	level 6
	2-3/8"	level 8

- H. Standard service window assembly shall be UL listed and labeled to ballistic levels defined in the Standard for Safety UL 752 for level*_____. (select one: Level 1, Level 2, Level 3, Level 4, Level 5, Level 6, or Level 8)

*** Consult CBP's list of UL label definitions to select the best level for your application.**

- Notes:**
1. Modifications can be done to units for exterior installations, contact manufacturer.
 2. A 96 inches wide unit has one 2" wide vertical division mullion dividing frame into two equal transparent panels.
 3. Special frame, glass, sill, ledge and size conditions are available, contact manufacturer.

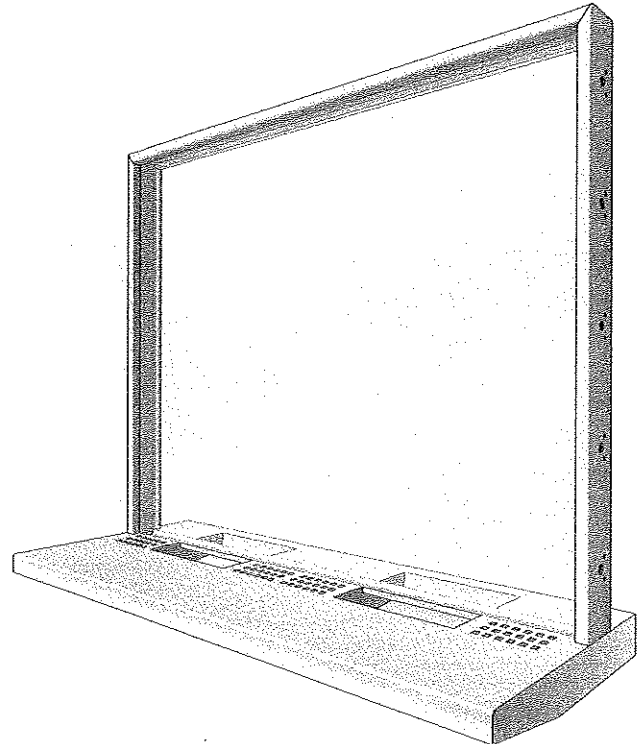
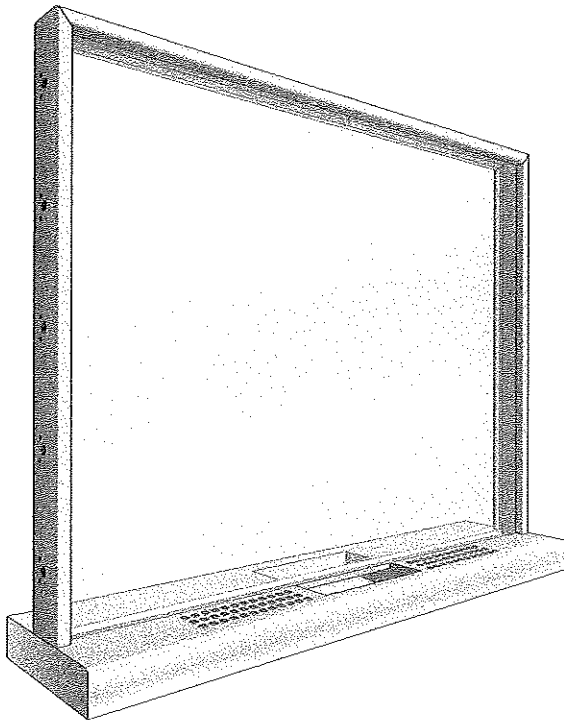
PART 3 - EXECUTION



BULLET RESISTANT

NARROW PROFILE TRANSACTION WINDOW

NTW



APPLICATIONS-INTERIOR, MAXIMUM VISION, MINIMUM FRAME

-Areas requiring the capability to transfer currency, documents, and identification badges: guardhouses, control rooms, entry control, cashier areas, reception.

CODE COMPLIANCE

-Assembly is listed and labeled by Underwriters' Laboratories, Inc. (UL) under *Standard for Safety UL 752, Bullet Resisting Equipment* for:

★Level 1 ★Level 2 ★Level 3 ★Level 4 ★Level 6

A label bearing certification is affixed to the protected side of frame.

FRAMING

-Frame profile is 1-1/4"x 3-1/4" for ballistic Levels 1 & 2.
-Frame profile is 1-1/4"x 3-3/4" for ballistic Levels 3 & 4.
-Formed from SHOT-TEX brand bullet-resisting steel
-Mitered and welded corners.
-Natural voice transmission.
-3-sided frame bolts to a deal tray/voice panel sill.
SHOT-TEX is the registered trademark of Chicago Bullet Proof Systems

FRAME FINISH

Prime painted (-P) Satin stainless steel (-S)

TRANSPARENT ARMOR

-UL Listed bullet resistant transparent armor supplied with frame.
-Shipped in a separate crate.
-Includes acoustic rubber spacers for seating transparent armor into framing.
-Field glazing is required.
-Laminated glass is standard.

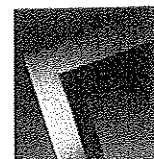
Optional transparent armors: Glass clad polycarbonate, Glass clad polycarbonate with air gap, Laminated polycarbonate, Acrylic.

DEAL TRAY/VOICE PANEL SILLS

-For transacting items not to exceed 12 3/4" in width x 1-5/8" in height.
-Acoustically balanced natural voice transmission (In window sizes 24" and wider).
-Satin stainless steel finish.
These options are an integral part of the sill and available only at the time of ordering.

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INSTALLATION

NTW Service Windows are designed for installation into finished openings within wall construction types such as steel studs, poured concrete, structural steel, etc. through the use of bolt anchors in the frame. Anchor bolts are **not** supplied by Chicago Bullet Proof Systems. The NTW frame is provided with 9/32" diameter holes for bolt anchors.

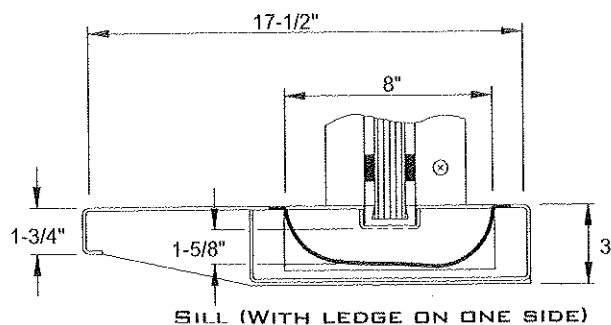
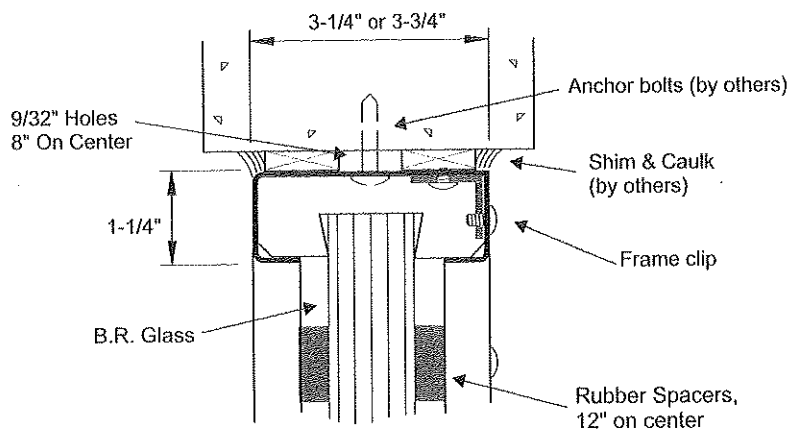
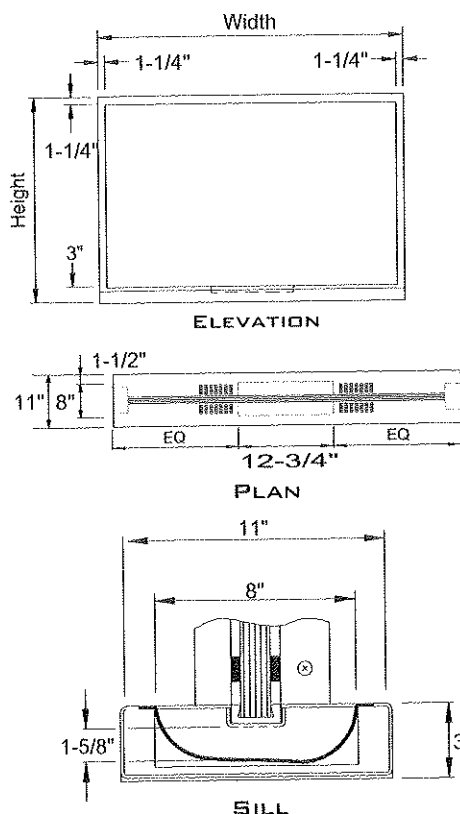
NOTE: SEALANTS OR GLAZING COMPOUNDS ARE NOT TO BE USED TO CLOSE GAPS BETWEEN TRANSPARENT ARMOR AND SERVICE WINDOW FRAME. THIS WILL GREATLY INHIBIT THE NATURAL VOICE TRANSMISSION CAPABILITY.

Standard Sizes

Model	O.A. Size	Recommended Wall Opening	Min. Shipping Weight
NTW32	32"x 44"	32-1/2"x 44-1/2"	240
NTW48	48"x 44"	48-1/2"x 44-1/2"	340
NTW60	60"x 44"	60-1/2"x 44-1/2"	420
NTW60D	60"x 44"	60-1/2"x 44-1/2"	420
NTW72	72"x 44"	72-1/2"x 44-1/2"	495
NTW72D	72"x 44"	72-1/2"x 44-1/2"	495

NOTE:

1. **Special frame, glass, sill, ledge and size conditions are available.** Please contact CBPS.
2. 96" wide windows have one vertical division mullion dividing frame into two equal transparent panels.
3. Double Service Window is, denoted with a "D," with two deal trays is available.



MODEL NTW

PART 1 - GENERAL

PART 2 - PRODUCTS

(2.01)**BULLET RESISTANT NARROW PROFILE SERVICE WINDOW:** Standard NTW service window with UL label by Chicago Bullet Proof Systems, 12 E. Old Mill Lane, Burr Ridge, IL 60527, tel: 800.690.9160. *Non-UL labeled assemblies are not acceptable.*

- A. Chicago Bullet Proof Systems Standard NTW, Narrow Profile Service Window with UL label for assembly. Narrow profile service windows shall be constructed from Chicago Bullet Proof's certified Shot-Tex bullet resistant steel and shall bear a UL label. Narrow profile service window shall be complete with frame formed to a profile of 1-1/4 inches by 3-1/4 inches (for Level 1 & 2) or 1-1/4 inches by 3-3/4 inches (for Level 3, 4, 6). An applied glazing stop shall be on the protected side. Frame shall be three-sided with mitered and fully welded corners. Frame shall be bolted to the deal tray/voice panel sill. Exposed welds shall be ground smooth and finished flush with adjoining surfaces, free of holes or defects. Two-sided frames with glass channel tops are not acceptable.
- B. Standard service window shall be Model NTW with overall size of _____ inches wide by _____ inches high.
- C. Frame Finish: Finish for narrow profile window shall be _____ (prime painted stainless steel with a brushed finish).
- D. Sill: Sill shall be stainless steel with integral deal tray and voice panel and shall be 3 inches high by the width of the window by 11 inches. Sill is bolted to three sided window frame.
- E. Deal Tray/Voice Panel Sill: Window shall be single deal tray type with voice panels adjacent to the deal tray in sill. Deal tray shall be sized to pass items not exceeding 12-3/4" width and 1-5/8" height and shall be mortised and integral to sill. Voice panels shall include an acoustically balanced natural voice transmission system. Deal tray and voice panels shall be of satin stainless steel with brushed finish.
- Over 60 inch wide units may have 2 deal tray openings and 4 voice panels in one sill.*
- F. Writing Ledge: 6-1/2 inch deep by full window width stainless steel writing ledge is integral to sill. (Specify which side writing ledge is to be installed, threat side, non-threat side, or both sides).
- G. Glass Armor: UL 752 listed bullet resistant transparent laminated type glass of _____ (see below) thickness and UL listed level _____ (see below). Manufacturer shall furnish acoustic rubber spacers. All other glazing materials shall be provided by glazier.

Glass Thickness

1-3/16"
1-1/2"
1-3/4"
2"
1-3/4"

UL level *

level 1
level 2
level 3
level 4
level 6

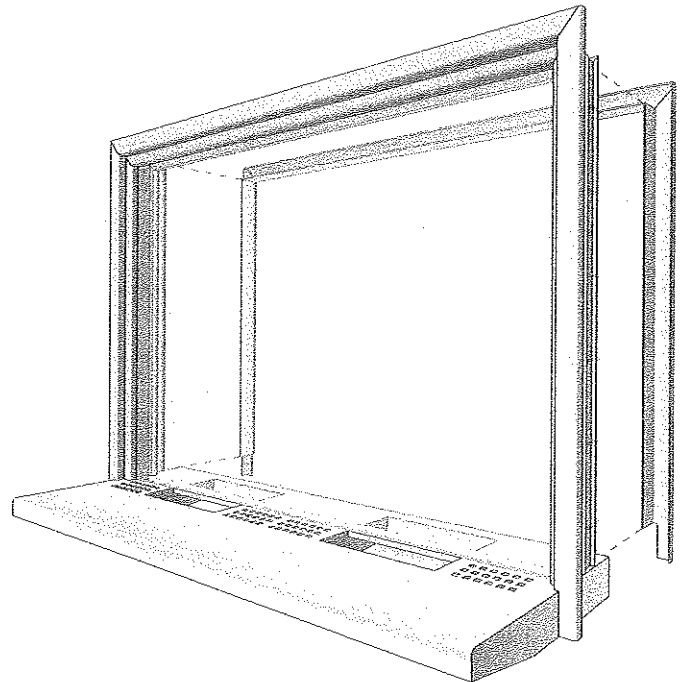
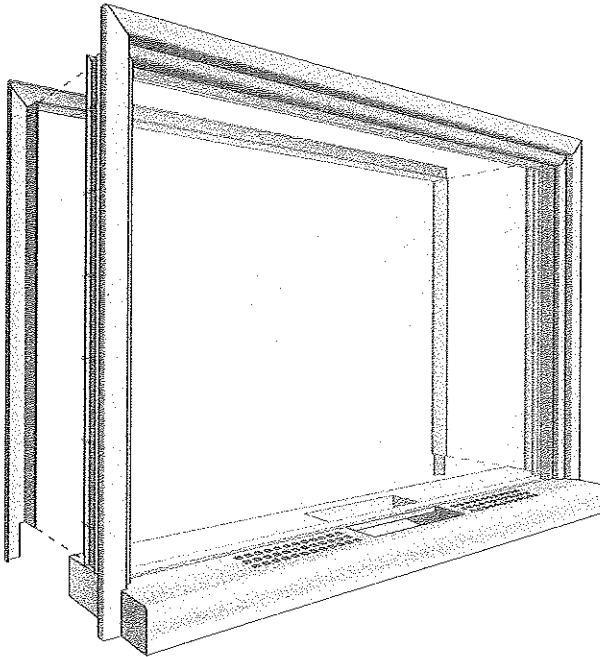
- H. Narrow profile service window assembly shall be UL listed and labeled to ballistic levels defined in the Standard for Safety UL 752 for level*_____. (select one: Level 1, Level 2, Level 3, Level 4, or Level 5)

PART 3 - EXECUTION



**BULLET RESISTANT
CLAMP-ON TRANSACTION WINDOW**

CTW



APPLICATIONS - INTERIOR

-Areas requiring the capability to transfer currency, documents, identification badges, guardhouses, control rooms, entry control, cashier areas.

CODE COMPLIANCE

-Assembly is listed and labeled by Underwriters Laboratories, Inc. (UL), under *Standard for Safety UL 752, Bullet Resisting Equipment* for:

★Level 1 ★Level 2 ★Level 3 ★Level 4 ★Level 5

A label bearing certification is affixed to protected side of the frame.

FRAMING

- Telescopic to adjust to wall thicknesses varying from 4-1/2" to 8-1/2" by clamping the wall opening.
- Formed from SHOT-TEX brand bullet-resistant steel
- Mitered and welded corners.
- Natural voice transmission.
- Single rabbet with an applied glazing stop on the protected side.
- 3 sided frame bolts to a deal tray/voice panel sill.

SHOT-TEX is the registered trademark of Chicago Bullet Proof Systems.

FRAME FINISH

Prime painted (-P) Satin stainless steel (-S)

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TRANSPARENT ARMOR

- UL Listed bullet resistant transparent armor supplied with frame.
- Shipped in a separate crate.
- Includes acoustic rubber spacers for seating transparent armor into framing.
- Field glazing is required.
- Laminated glass is standard.

Optional transparent armors: Glass clad polycarbonate, Glass clad polycarbonate with air gap, Laminated polycarbonate, Acrylic.

DEAL TRAY/VOICE PANEL SILLS

- For transacting items not to exceed 12-3/4" in width x 1-5/8" in height.
- Acoustically balanced natural voice transmission (in window sizes 24" and wider).
- Satin stainless steel finish.

As an option, CTW60 and 72 Service Windows can be ordered with two deal tray openings in one sill.

OPTIONAL LEDGE FEATURE

- 6-1/2" stainless steel writing ledge extending the full width of the sill.
- On either or both sides of window.

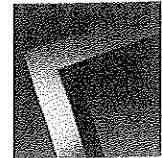
These options are an integral part of the sill and available only at the time of ordering.

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CTW



**BULLET RESISTANT
CLAMP-ON TRANSACTION WINDOW**



INSTALLATION

CTW Service Windows "wrap around" the finished wall thickness, concealing the prepared wall opening. Installation is accomplished by blocking the interior flange/deal tray assembly in place within the wall opening, inserting the exterior clamping flange into interior frame section, and drawing the clamping bolts tight to clamp the wall.

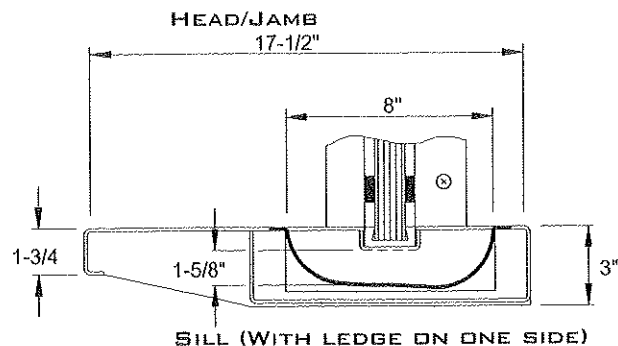
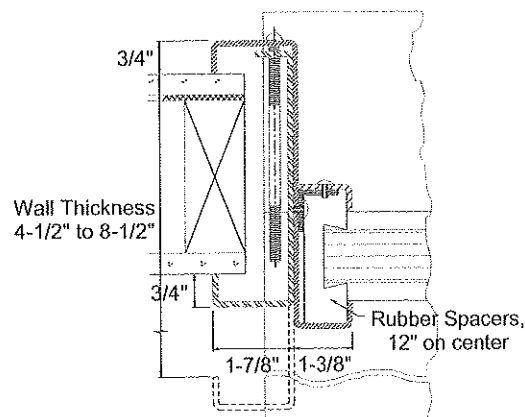
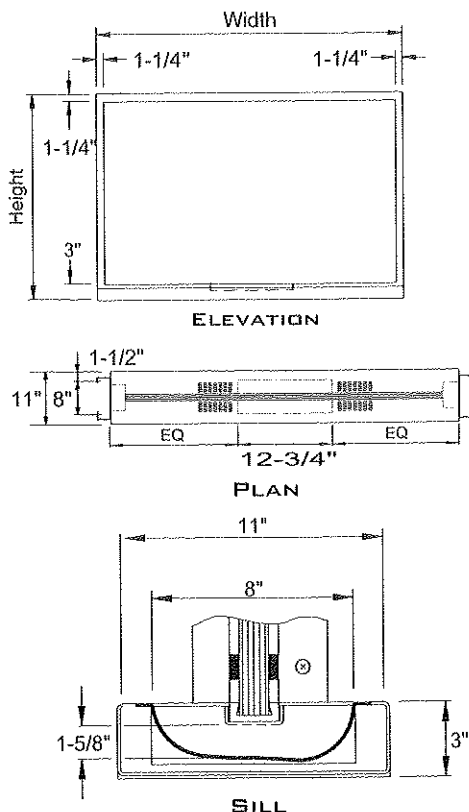
NOTE: SEALANTS OR GLAZING COMPOUNDS ARE NOT TO BE USED TO CLOSE GAPS BETWEEN TRANSPARENT ARMOR AND SERVICE WINDOW FRAME. THIS WILL GREATLY INHIBIT THE NATURAL VOICE TRANSMISSION CAPABILITY.

Standard Sizes

Model	O.A. Size	Recommended Wall Opening	Min. Shipping Weight
CTW24	26 1/4" x 37 1/4"	25" x 36-1/2"	200
CTW32	34 1/2" x 41 1/4"	33" x 40-1/2"	265
CTW48	50 1/4" x 41 1/4"	49" x 40-1/2"	370
CTW60	62 1/4" x 41 1/4"	61" x 40-1/2"	460
CTW72	74 1/4" x 41 1/4"	73" x 40-1/2"	550

NOTE:

1. **Special frame, glass, sill, ledge and size conditions are available.** Please contact the factory.
2. 96" wide windows have one vertical division mullion dividing frame into two equal transparent panels.
3. Double Service Window is, denoted with a "D", with two deal trays is available.



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MODEL CTW

PART 1 - GENERAL

PART 2 - PRODUCTS

(2.01) BULLET RESISTANT CLAMP-ON SERVICE WINDOW: Standard CTW service window with UL label by Chicago Bullet Proof Systems, 12 E. Old Mill Lane, Burr Ridge, IL 60527, tel: 800.690.9160, fax: 312.492.7406. *Non-UL labeled assemblies are not acceptable.*

- A. Frame: Chicago Bullet Proof Systems Standard CTW, Clamp-on Service Window with UL label for assembly. Clamp-on service windows shall be constructed from Chicago Bullet Proof's certified Shot-Tex bullet resistant steel and shall bear a UL label. Clamp-on service window shall be complete with adjustable frame for wall thicknesses from 4-1/2 inches to 8-1/2 inches with applied glazing stop on the protected side. Frame shall be three-sided with mitered and fully welded corners. Frame shall be bolted to the deal tray/voice panel sill. Exposed welds shall be ground smooth and finished flush with adjoining surfaces, free of holes or defects. *Two-sided frames with glass channel tops are not acceptable.*
- B. Clamp-on service window shall be Model CTW with overall size of _____ inches wide by _____ inches high.
- C. Frame Finish: Finish for clamp-on service window frame shall be _____. (prime painted or stainless steel with brushed finish)
- D. Sill: Sill shall be stainless steel with integral deal tray and voice panel and shall be 3 inches high by the width of the window by 11 inches. Sill is bolted to three sided window frame.
- E. Deal Tray/Voice Panel Sill: Window shall be single deal tray type with voice panels adjacent to the deal tray in sill. Deal tray shall be sized to pass items not exceeding 12-3/4" width and 1-5/8" height and shall be mortised and integral to sill. Voice panels shall include an acoustically balanced natural voice transmission system. Deal tray and voice panels shall be of stainless steel with brushed finish.
- Over 60 inch wide units may have 2 deal tray openings and 4 voice panels in one sill.*
- F. Writing Ledge: 6-1/2 inch deep by full window width stainless steel writing ledge is integral to sill. (Specify which side writing ledge is to be installed, threat side, non-threat side, or both sides).
- G. Glass Armor: UL 752 listed bullet resistant transparent laminated type glass of _____ (see below) thickness and UL listed level _____ (see below). Manufacturer shall furnish acoustic rubber spacers. All other glazing materials shall be provided by glazier.

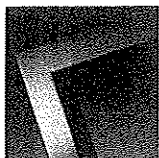
<u>Glass Thickness</u>	<u>UL level *</u>
1-3/16"	level 1
1-1/2"	level 2
1-3/4"	level 3
2"	level 4
1-3/4"	level 6

- H. Clamp-on service window assembly shall be UL listed and labeled to ballistic levels defined in the Standard for Safety UL 752 for level* _____. (select one: Level 1, Level 2, Level 3, or level 4)

*** Consult CBP's list of UL label definitions to select the best level for your application.**

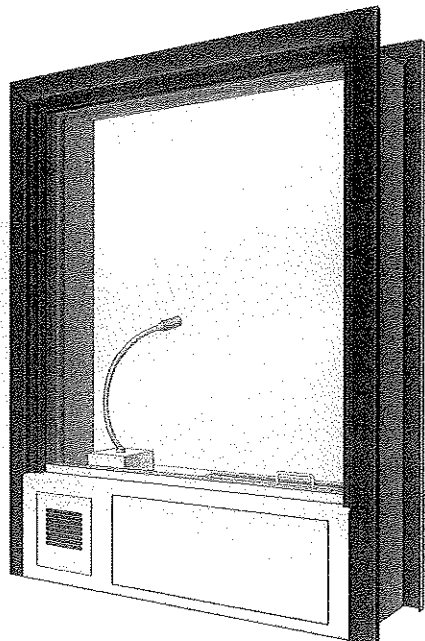
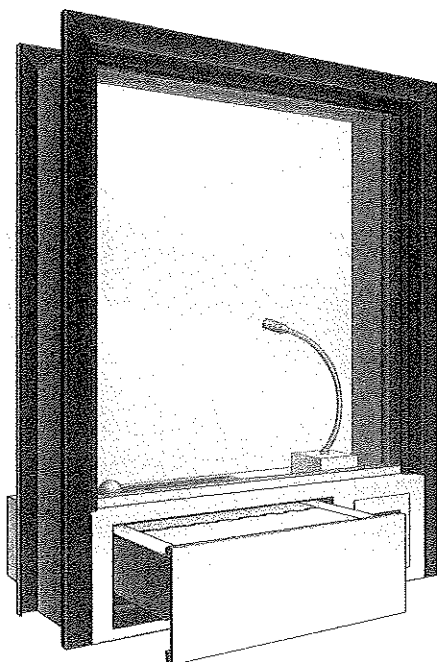
- Notes:**
1. *Modifications can be done to units for exterior installations, contact manufacturer.*
 2. *A 96 inches wide unit has one 2" wide vertical division mullion dividing frame into two equal transparent panels.*
 3. *Special frame, glass, sill, ledge and size conditions are available, contact manufacturer.*

PART 3 - EXECUTION



**BULLET RESISTANT
EXTERIOR TRANSACTION WINDOW**

ETW



APPLICATIONS - INTERIOR/EXTERIOR

-Areas requiring the capability to transfer currency, documents, identification badges, registration forms, etc. (Hotels/motels, convenience stores, 24 hour pharmacy, self-serve gas stations.)

CODE COMPLIANCE

-Assembly is only manufactured from materials (steel and glass) which are UL listed and labeled by Underwriters Laboratories, Inc. (UL), under *Standard for Safety UL 752, Bullet Resisting Equipment* for: Level 1

NO UL LABEL IS AVAILABLE WITH THIS UNIT.

FRAMING

-Telescopic to adjust to wall thicknesses varying from 7-5/8" to 11-5/8" by clamping the wall opening.
-Formed from SHOT-TEX brand bullet-resistant steel
-Mitered and welded corners.

SHOT-TEX is the registered trademark of Chicago Bullet Proof Systems

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FRAME FINISH

-Prime painted and finish painted black.
-Drawer and sill are satin stainless steel.

TRANSPARENT ARMOR

-UL Listed bullet resistant transparent armor supplied with frame.
-Preglazed.
-Laminated glass is standard.

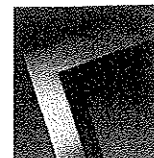
TRANSACTION DRAWER

-For transacting items not to exceed 15-3/8" W X 8-1/2" X 4-3/8."
-Manually operated.
-Durable sliding and locking mechanisms.

INTERCOM

-Simultaneous, two-way audio system.
-Includes a plug-in transformer.

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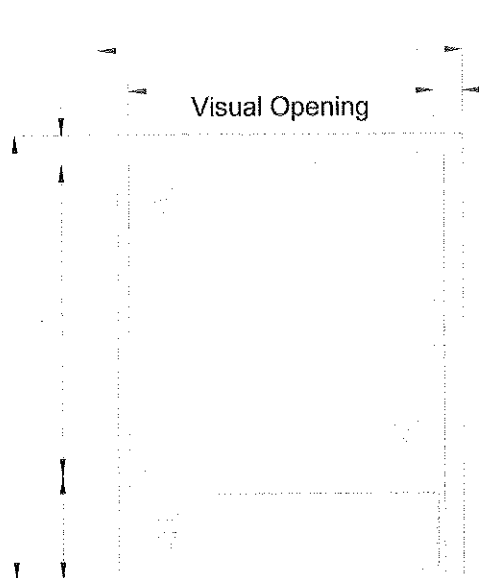


INSTALLATION

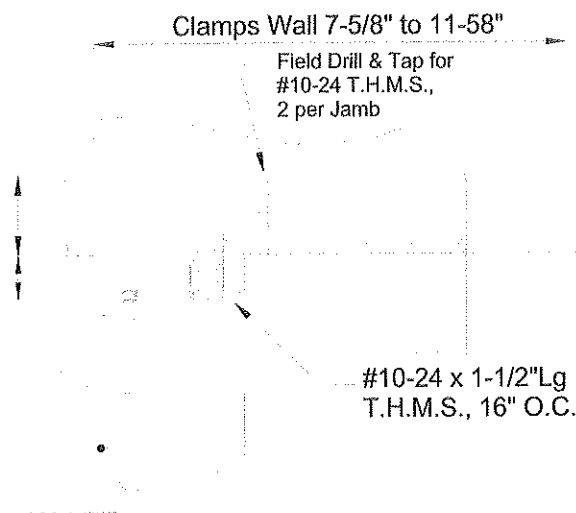
ETW Service Windows "wrap around" the finished wall thickness, concealing the prepared wall opening. Installation is accomplished by blocking the exterior window/drawer assembly in place within the wall opening, inserting the interior 3-sided welded frame into place, and screwing frames together. Intercom is wired by others.

Standard Sizes

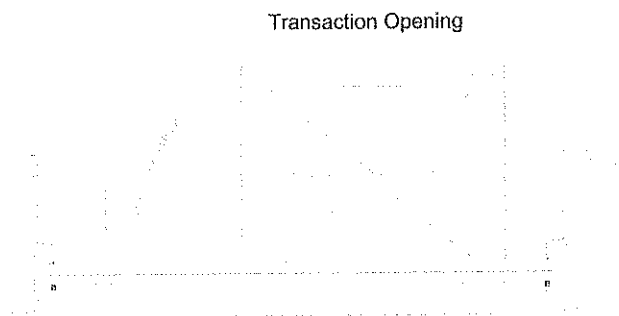
Model	O.A. Size	Recommended Wall Opening	Min. Shipping Weight
ETW	34" w x 41"	34-3/8" wx 40-3/8" h	350



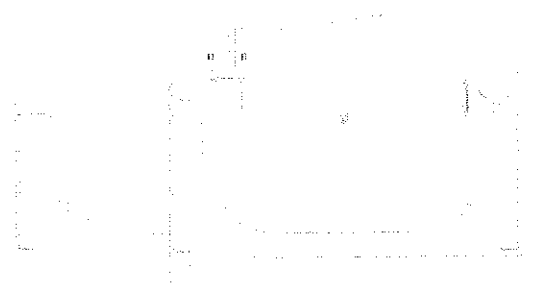
THREAT SIDE ELEVATION



HEAD / JAMB SECTION



PLAN VIEW



HEAD / JAMB SECTION

MODEL ETW

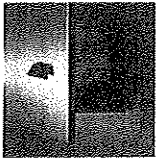
PART 1 - GENERAL

PART 2 - PRODUCTS

(2.01) **BULLET RESISTANT EXTERIOR CLAMP-ON TRANSACTION WINDOW:** Standard ETW clamp-on exterior transaction window by Chicago Bullet Proof Systems, 12 E. Old Mill Lane, Burr Ridge, IL 60527, tel: 800.690.9160.

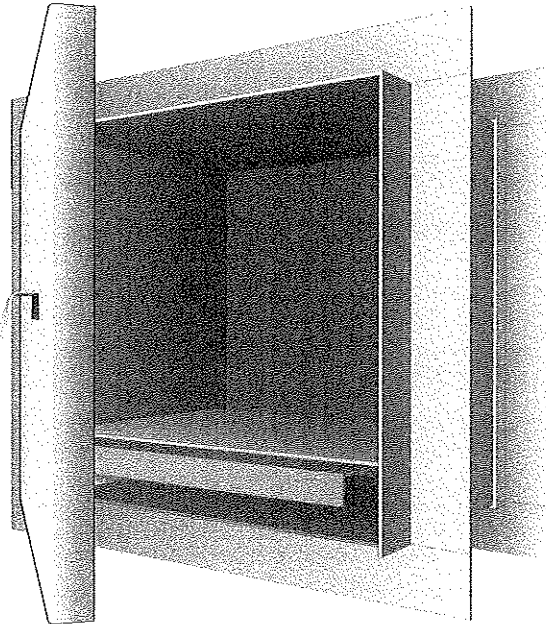
- A. Chicago Bullet Proof Systems Standard ETW Clamp-on Exterior Transaction Window. Clamp-on transaction window shall be constructed from Chicago Bullet Proof's certified Shot-Tex bullet-resistant steel. Clamp-on vision window shall be complete with adjustable frame for wall thickness from 7-5/8 inches to 11-5/8 inches; with applied glazing stop on the protected side. Frame shall be four-sided with mitered and fully welded corners. Exposed welds shall be ground smooth and finished flush with adjoining surfaces, free of holes or defects.
- B. Clamp-on vision window shall be Model ETW with overall size of 34 inches wide by 41 inches high.
- C. Frame Finish: Finish for clamp-on transaction window frame shall be black painted.
- D. Glass Armor: UL 752 listed bullet resistant transparent laminated type glass of 1-3/16" thickness and UL listed level 1.
- E. Transaction Drawer: Transaction drawer shall be an integral part of frame. Drawer shall be manually operated for transferring document size items not to exceed 15-3/8 inches wide by 4-3/8 inches deep 8-3/4" long. Finish shall be stainless steel.
- F. Intercom: Intercom shall be an integral part of the unit and contain a simultaneous, two-way audio system for communications. The intercom shall be pre-wired at the factory and shall include a plug-in transformer.

PART 3 - EXECUTION



BULLET PROOF
BULLET RESISTANT
PACKAGE PASSERS

PP



APPLICATIONS-INTERIOR/EXTERIOR

-The PP Package passer unit is a transfer device which allows for the passage of money bags and small packages (carrying coin, currency, data processing materials, or other bulky items) through a wall or partition. Use of the PP alleviates the need to open personnel doors, thus avoiding a compromise in security. Typical uses include: access control checkpoints, armories, bank operations areas, cash vaults, currency receiving rooms, material vaults and workrooms.

CODE COMPLIANCE

Assembly is listed and labeled by Underwriters Laboratories, Inc. (UL) under *Standard for Safety UL 752, Bullet Resisting Equipment* for:

★Level 1, ★Level 2, ★Level 3, ★Level 4, ★Level 6
A label bearing certification is affixed to the protected side.

PASS-THRU

-Constructed from SHOT-TEX brand bullet resistant steel.

-All welded construction.

-Welds are ground smooth before prime painting or brushing stainless steel.

SHOT-TEX is a registered trademark of CBPS.

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DOORS

-Constructed from SHOT-TEX brand bullet resistant steel.

-Interlock for one door to be open at one time.

-Handing: from the threat side, exterior door is LHRB and interior door is LH.

HARDWARE

Standard package includes:

-CBP heavy duty continuous hinges.

-Stainless steel pull handle on exterior door.

-Interior door control handle with three position control handle which permits:

-exterior unlocked, interior locked

-both doors locked

-exterior locked, interior unlocked

-Return spring on exterior door to facilitate closing.

★EXTRA COST OPTIONS★

-Control handle with key.

-Weatherstripping for exterior door.

FINISH

-All prime painted (-P).

-Prime painted with satin stainless steel exterior door and mounting frame (-S).

-All exposed surfaces are stainless steel (-A).

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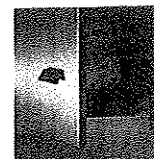
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PP



**BULLET RESISTANT
PACKAGE PASSER**



INSTALLATION

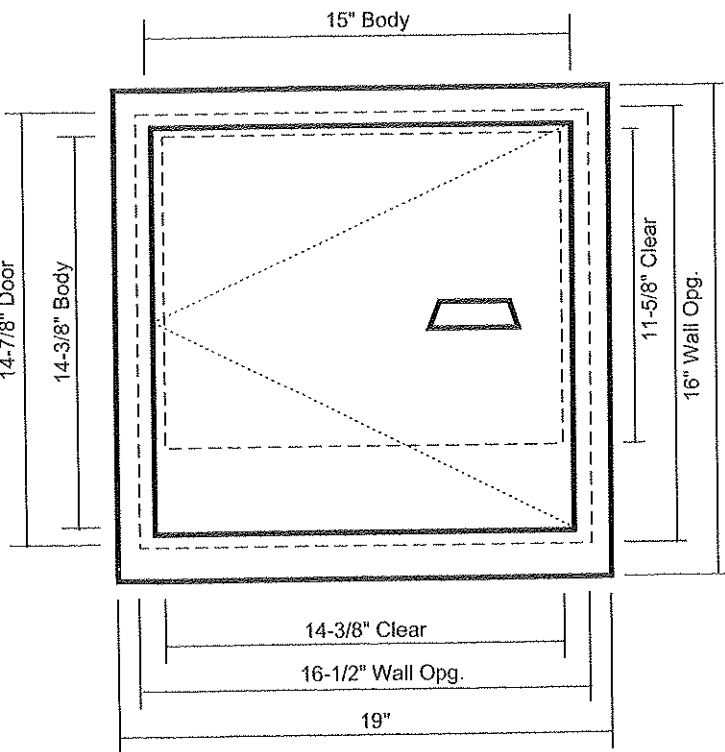
- 1) Prepare opening in wall. The standard PP unit requires a 16-1/2" high finish wall opening. Note: MAXIMUM WALL THICKNESS FOR STANDARD UNIT IS 9-1/4". THICKER WALLS REQUIRE A 20" WIDE X 19" HIGH RECESS.
- 2) Insert unit into wall opening, making sure control handle is on employee's side of wall. Block unit into place with shims (not supplied by factory). NOTE: UNIT IS TO BE PLUMB AND LEVEL. If wall conditions permit, unit can be grouted in place.
- 3) Locate three-piece interior frame on employee side. Using holes in frame pieces as guides, drill thru top and sides of body with 1/4" bit. Attach frames with 1/4"-20 x 1/2" bolts, keeping bolt heads on the interior of body.
- 4) If finish wall thickness is less than 4", it is suggested that interior side of unit be supported to prevent "rocking" action when unit is operated.

Standard Sizes

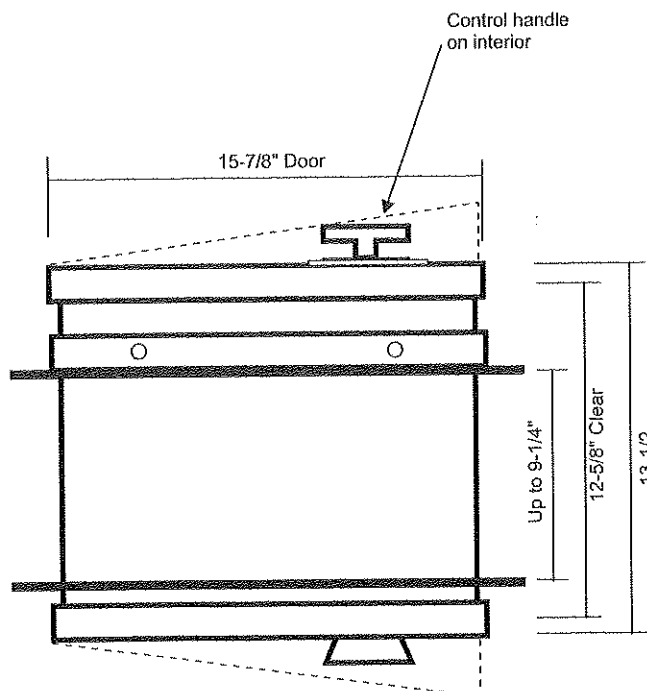
Model	O.A. Size	Wall Opening	Interior Clear Dimension	Min. Weight
PP	19"w x 18 1/4"h x 13 1/2"d	16 1/2"w x 16"h x 9 1/4"d	14 3/8"w x 11 5/8"h x 12 5/8"d	150 lbs.

NOTE:

Special sizes and swings available: both hinges must be on the same side of the unit and width of unit cannot exceed height. Maximum overall size is 24" x 24" x 24".



THREAT SIDE ELEVATION



SECTIONAL PLAN

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MODEL PP

PART 1 - GENERAL

PART 2 - PRODUCTS

(2.01) BULLET RESISTANT PACKAGE PASSER: Standard PP Package Passer with UL label by Chicago Bullet Proof Systems, 12 E. Old Mill Lane, Burr Ridge, IL 60527, tel: 800.690.9160, fax: 312.493.7406. Non-UL labeled assemblies are not acceptable.

- A. Chicago Bullet Proof Systems standard PP with UL label for assembly. Package passer shall be construction from Chicago Bullet Proof's certified Shot-Tex bullet resistant steel and shall bear a UL label.
- B. Size: Package passer shall have an interior clear dimension of 14-3/8 inches wide by 11-5/8 inches high by 12-5/8 inches deep. The required wall opening shall be 16-1/2 inches wide by 16 inches high. Maximum wall thickness shall not exceed 9-1/4 inches.
- C. Hardware: Package passer shall have mechanically interlocking doors permitting only one door to be opened at a time, and shall be complete with hardware consisting of:
 - 1. **Hinges:** a continuous heavy duty hinge on both doors
 - 2. **Pull handles:** stainless steel pull handle on exterior door and three position control handle on interior door permitting: exterior unlocked-interior locked, both doors locked, or exterior locked-interior unlocked.
 - 3. **Closer:** return spring closer on exterior door.
 - 4. **Options:** Control handle with key lock and weather stripping for exterior doors.
- D. Finish: Finish for package passer shall be _____ (select one from below)
 - 1. all prime painted.
 - 2. an exterior door and mounting from of brushed stainless steel and the balance of unit shall be prime painted.

or
 - 3. all exposed surfaces of both doors, both mounting frames, body and interior shelf of brushed stainless steel and the balance of unit shall be prime painted.
- E. Package passer assembly shall be UL listed and labeled to ballistic levels defined in the Standard for Safety UL 752 for the following ballistic level * _____ (level 1, level 2, level 3, level 4)

*** Consult CBP's list of UL label definitions to select the best level for your application.**

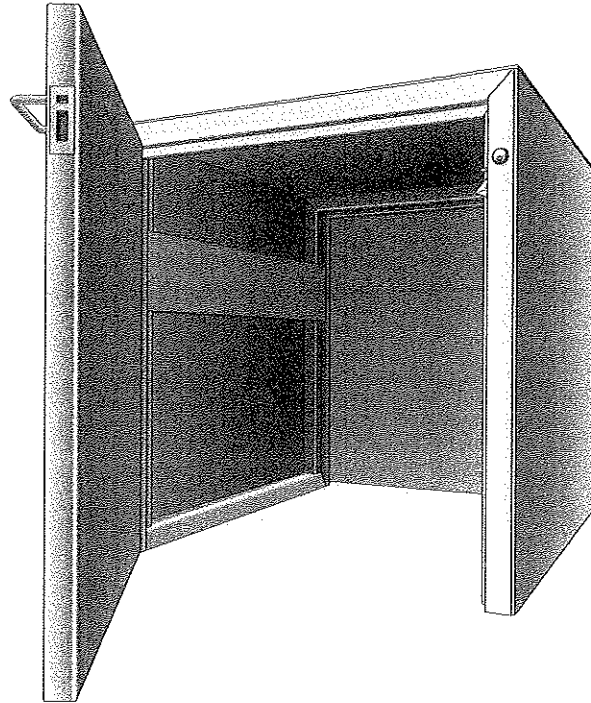
Notes: Modifications can be done to units, contact manufacturer.

PART 3 - EXECUTION



BULLET PROOF
BULLET RESISTANT
MONEY CART PASS THRU

MCPT



APPLICATIONS-INTERIOR/EXTERIOR

-The MCPT unit is a transfer device which allows for the passage of a wheeled cart or pallet carrying coin, currency, data processing materials, or other heavy, bulky items, through a wall or partition. Use of the MCPT alleviates the need to open personnel doors, thus avoiding a compromise in security. Typical uses include: Access control checkpoints, armories, bank operations areas, cash vaults, currency receiving rooms, material vaults and workrooms.

CODE COMPLIANCE

Assembly is listed and labeled by Underwriters Laboratories, Inc. (UL) under *Standard for Safety UL 752, Bullet Resisting Equipment* for:

★Level 3, ★Level 4

A label bearing certification is affixed to the protected side.

PASS-THRU

- Constructed from SHOT-TEX brand bullet resistant steel
- All welded construction.
- Welds are ground smooth before prime painting or brushing stainless steel.

DOORS

- Constructed from SHOT-TEX brand bullet resistant steel.
- 3/4" cut at bottom of door for threshold is required.
- 34-1/2" w X 39" h clear opening.
- 1-3/4" thick.
- All welded construction.
- Interlock for one door to be open at one time.

HARDWARE

Standard package includes:

- CBP continuous hinges
- (2) Stainless steel pulls
- Silencers
- (2) Brink's 3020 x US32D mortise deadlocking latch x fail secure operation- 24 VDC- CBP provides key cylinder only on exterior side of both doors. **Actuators, transformers and electrical wiring is by others.**
- Raceway channel/bumper on each interior side for wiring trough.

★EXTRA COST OPTIONS:★

- Weatherstripping for exterior door

FINISH

Prime painted (-P), Stainless steel (-S)

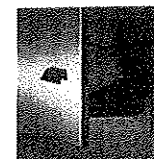
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UNIVERSITY PARK, IL 60484

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MCPT



INSTALLATION

-The pass-thru unit shall arrive at the site assembled, including the electromechanical locks. The interconnecting electrical components (provided by others) shall be field wired.

1) Prepare opening in wall. The standard size Level 3 unit requires a 41" wide x 42-1/2" high wall opening. The standard Level 4 unit requires a 41-1/4" wide by 42-3/8" high wall opening.

2) Using a carbide drill bit, the installer must drill a hole through the body of the unit to bring in power. The location and size of this hole is to be determined by the installer. CBPS recommends this hole to be located on the latch bolt side of the unit behind the 8" high raceway channel inside the unit.

3) Slide unit into place, adjusting projections beyond faces of wall as required. Make conduit connections, if necessary, then anchor unit in place with six (6) Hilti #12-234 "KWICKBOLTS" or equals (supplied by others). Bolts go through the floor angles on the units interior into the finished floor.

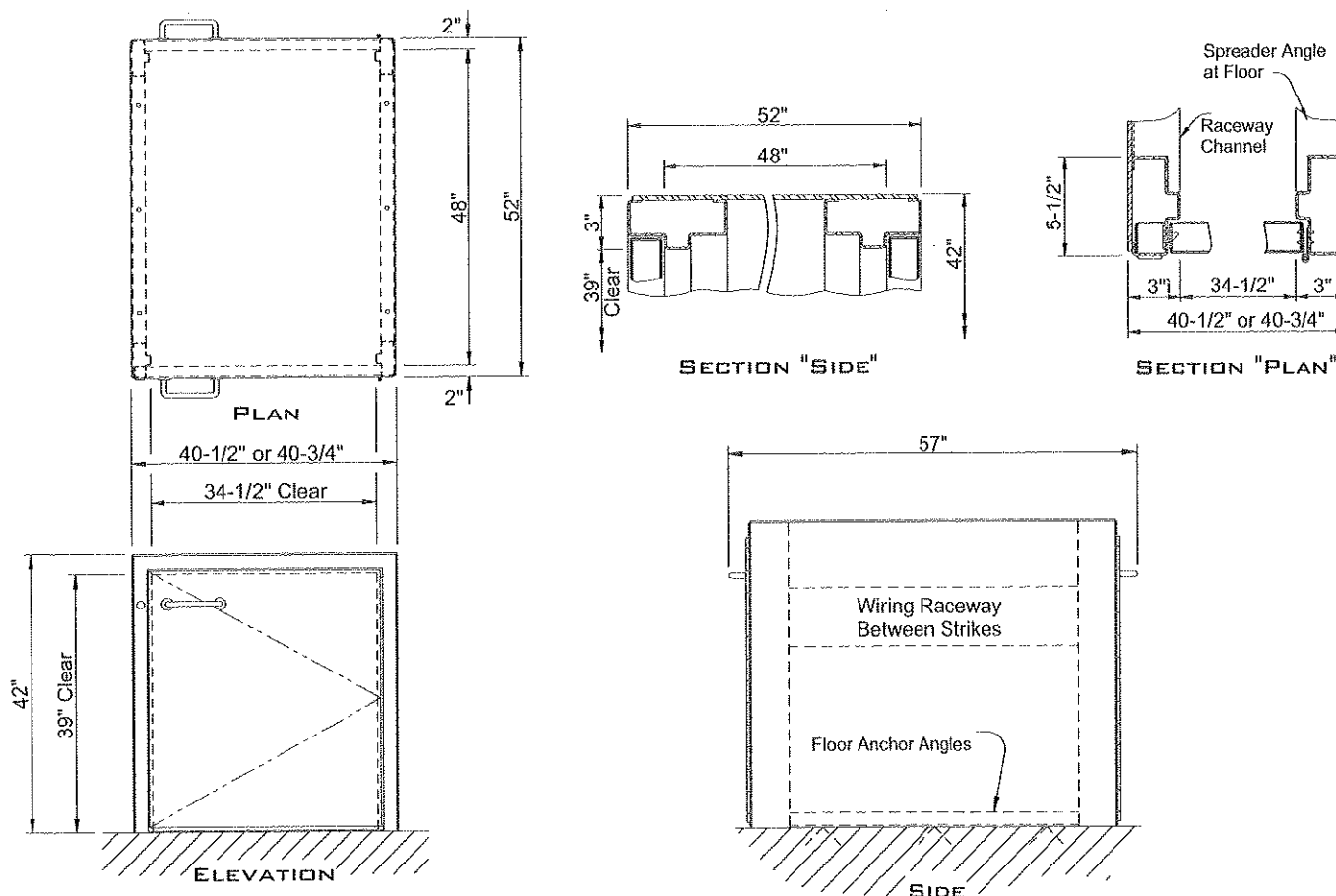
4) Remove 8" raceway channel inside the unit to expose wiring access from frame to frame. Install the electric deadbolts within the mortises, reinstall the raceway channel to cover wires and reverse pull handles on doors and finish joints between unit and wall.

Standard Sizes

Model	O.A. Size	Wall Opening	Interior Clear Dimension	Weight
MCPT-Level 3	40-1/2"w x 42"h x 57"d	41"w x 42-1/2"h	34-1/2"w x 39"h x 48"d	900 lbs.
MCPT-Level 4	40-3/4"w x 42-1/8"h x 57"d	41-1/4"w x 42-1/2"h	34-1/2"w x 39"h x 48"d	1350 lbs.

NOTE:

Speical sizes and swings available: both hinges must be on the same side of the unit. Consult CBPS for assistance.



MODEL MCPT

PART 1 - GENERAL

PART 2 - PRODUCTS

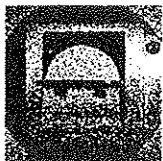
(2.01) BULLET RESISTANT MONEY CART PASS-THRU: Standard MCPT Money Cart Pass-Thru with UL label by Chicago Bullet Proof Systems, 12 E. Old Mill Lane, Burr Ridge, IL 60527, tel: 800.690.9160, fax: 312.492.7406. *Non-UL labeled assemblies are not acceptable.*

- A. Chicago Bullet Proof Systems standard MCPT with UL label for assembly. MCPT shall be constructed from Chicago Bullet Proof's certified Shot-Tex bullet resistant steel and shall bear a UL label. MCPT shall be completely assembled five sided unit including two electrically interlocking doors.
- B. Size: MCPT shall have interior clear dimensions of 34-1/2 inches wide x 39 inches high x 48 inches deep.
- C. Door: Doors shall be of all welded construction. Doors are 1-3/4 inches thick with 1/8 inches thick internal reinforcing channels.
- D. Frames: Frame profile shall be double rabbeted with mitered, welded and ground smooth corners.
- E. Hardware: Doors shall utilize an electric interlock system between the doors which allows only one door to be opened at a time. Two stainless steel pulls, silencers, two #12252 heavy duty continuous hinges, and raceway channel/bumper on each interior side for wiring shall be supplied.
- F. Finish: Unit shall be constructed from Shot-Tex brand bullet resistant steel in an "all welded" assembly. All welds shall be ground smooth and the unit shall be spray painted with a rust-inhibiting primer.
- G. Money Cart Pass-Thru assembly shall be UL listed and labeled to ballistic levels defined in the Standard for Safety UL 752 for the following ballistic level* _____ (level 3 or level 4).

*** Consult CBP's list of UL label definitions to select the best level for your application.**

Notes: Modifications can be done to units, contact manufacturer.

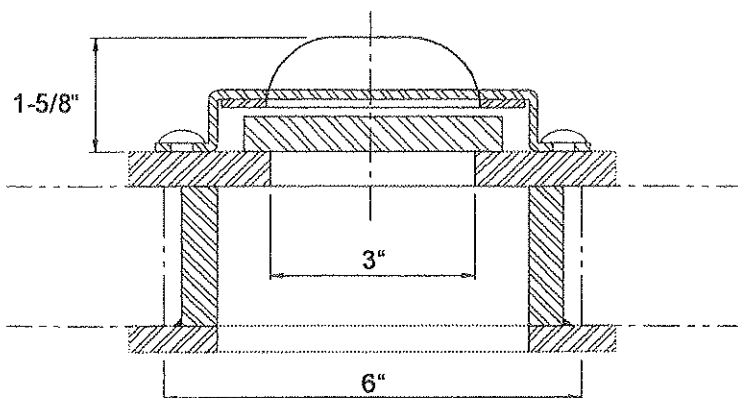
PART 3 - EXECUTION



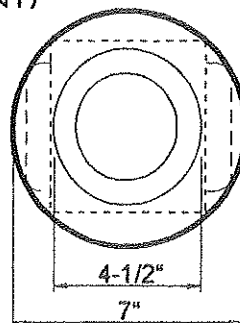
BULLET PROOF
BULLET RESISTANT
GUNPORT

GP3

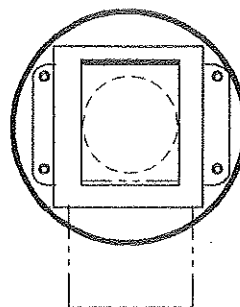
GP3 GUNPORT (GLASS MOUNT)



PLAN



ATTACK SIDE



INTERIOR ELEVATION

APPLICATIONS

- The GP3 Gunport Series are used in conjunction with other bullet-resistant equipment where the situation demands a defensible position...the ability to return fire.
- The GP3 series is designed to be used with handguns.
- Typical applications include: entry control check points, central security stations, guard booths, guard towers, and vehicles.

CODE COMPLIANCE

Gunport is listed and labeled by Underwriters Laboratories, Inc. (UL) under *Standard for Safety UL 752, Bullet Resisting Equipment* for:
★Level 3, ★Level 4, and ★Level 8
A label bearing certification is affixed to the protected side.

FUNCTIONS

- Available in wall or glass mounted.
- 3" diameter weapon opening.
- Call CBPS for custom sizes to fulfill special weapon requirements.
- The vertically acting spring-loaded trigger plate covers the firing port when not in use.

FUNCTIONS CONT.

- The gunport operation consists of depressing the trigger plate inward while pushing the slide down and inserting the muzzle of the weapon.
- The slide is tamper-resistant from the threat side.

MATERIAL/FINISHES

- Constructed from CBP's certified SHOT-TEX brand bullet resistant steel.
- Wall Mount:** Cover- satin stainless steel finish; Slide- satin stainless steel; Mounting plate is a prime painted finish.
- Glass Mount:** Cover- brushed chrome finish; Mounting Ring- Satin stainless steel finish

GP3 GUNPORT INSTALLATION

- Wall Mount:** The gunport is attached to a 12" x 12" plate of Shot-Tex steel; anchor the unit to the wall with four 3/8" diameter bolt anchors (Anchors are not supplied by factory).
- Glass Mount:** Disassemble gunport inner ring from the outer ring. Insert the outer ring, with gasket attached, through the hole in the transparent armor and reassemble. (Instructions are shipped with unit)

MODEL GP3

PART 1 - GENERAL

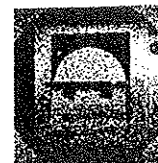
PART 2 - PRODUCTS

(2.01) GUNPORT: Standard GP3 Gunport with UL label by Chicago Bullet Proof Systems, 12 E. Old Mill Lane, Burr Ridge, IL 60527, tel: 800.690.9160, fax: 312.492.7406. *Non-UL labeled assemblies are not acceptable.*

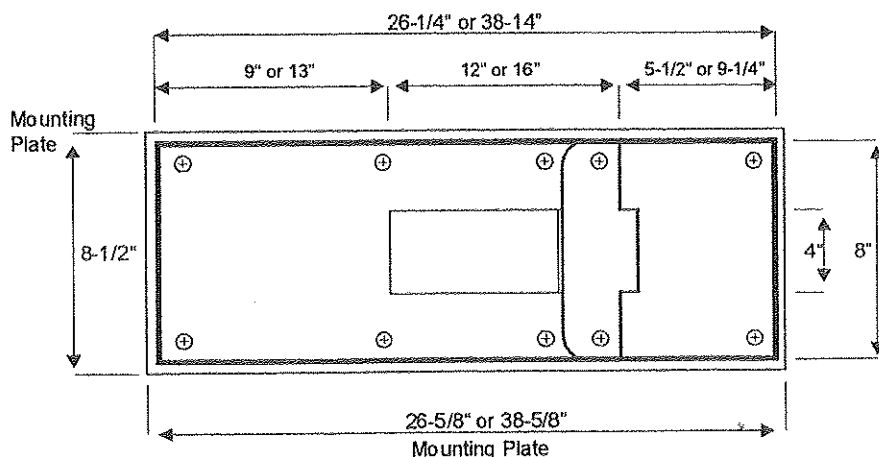
- A. Chicago Bullet Proof Systems Standard GP3 Gunport with UL label for assembly shall be constructed from UL listed Shot-Tex bullet-resisting steel and shall bear a UL label. gunport shall be the following type(s):
 - 1. Wall Mount Type GP3: Complete with Cover of Shot-Tex #1-S, stainless steel with satin finish; and a self-locking sliding cover plate of Shot-Tex #4A1 steel with brushed stainless steel finish. The Mounting Plate of Shot-Tex #3 steel for level 3 (or Shot-Tex #4A1 steel for level 4) shall be prime painted flat black.
 - 2. Glass Mount Type GP3: Complete with a Cover of Shot-Tex #1-S, stainless steel with satin finish, and a self-locking sliding cover plate of Shot-Tex #4A1 steel with brushed stainless steel finish. Mounting Ring shall be stainless steel with a satin finish. Gunport shall require a 6 inch diameter hole in glass.
- B. Weapon opening shall be 3 inches in diameter.
- C. Trigger plate shall completely cover firing port when not in use. Trigger plate shall be tamper resistant from the threat side and shall open on the non-threat side by sliding vertically. Trigger plate shall be spring-loaded for closing.
- D. Gunport shall be UL listed and labeled to ballistic level defined in the Standard for Safety UL 752 for level* _____(select one: level 3, level 4, level 5, or level 8).

** Consult CBP's list of UL label definitions to select the best level for your application.*

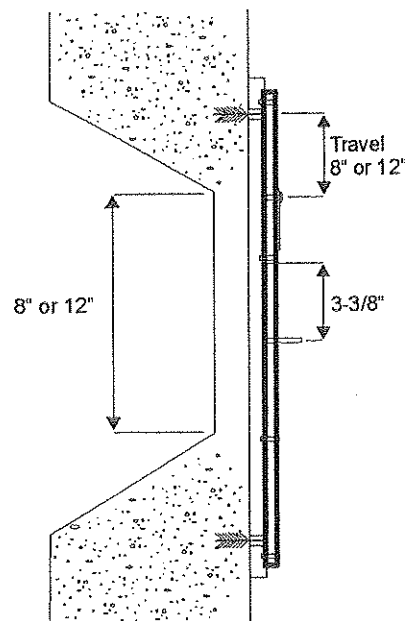
PART 3 - EXECUTION



GP4 GUNPORT (WALL MOUNT)



INTERIOR ELEVATION
(SHOWN CLOSED)



SECTIONAL PLAN VIEW
(SHOWN PARTIALLY OPEN)

APPLICATIONS

-The GP4 Gunports are used in similar applications as the GP3 Gunports except that the GP4 design permits access to a greater field of fire and lends itself to situations where a rifle or shotgun is to be utilized. The GP4 Gunport is used in conjunction with other bullet-resistant equipment where the situation demands a defensible position...the ability to return fire from within.

CODE COMPLIANCE

-The GP4 Gunport is listed and labeled by Underwriters Laboratory, Inc. (UL) under *Standard For Safety UL 752* for: **★Level 4**

A label bearing certification is affixed to the protected side.

FUNCTIONS

-The GP4 Gunport can be bolted (or welded) to wall construction and can be ordered as an optional extra with a DR Door/Frame assembly unit.
-The spring-loaded, self-latching slide plates can be ordered either with an 8" (GP4-8) or 12" (GP4-12) horizontal travel.
-The movement provides a "panning" action for automatic weapons, shotguns and tear gas launchers, thus providing a greater field of fire.

FUNCTIONS CONT.

-Each unit has a 3-3/8" wide x 4" high weapons opening within slide plate of each model.
-Slide is tamper-proof from the exterior by means of a spring-loaded trigger plate.
-Gunport operation consists of depressing trigger plate while opening slide with push plate and inserting muzzle of weapon.

MATERIAL/FINISHES

-Constructed from CBP's certified SHOT-TEX brand bullet resistant steel.
-Cover- satin stainless steel finish.
-Slide & Mounting Plate -prime painted finish.

GP4 GUNPORT INSTALLATION

-Prepare wall opening beveled towards wall's exterior. This will ensure a greater field of fire. Remove cover and slide plate assembly from mounting plate. Mount gunport over wall opening, keeping opening in mounting plate aligned with that in wall. Secure gunport in place with four 3/8" diameter bolt anchors (Anchors are supplied by others).

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MODEL GP4

PART 1 - GENERAL

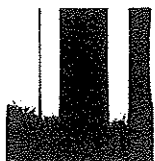
PART 2 - PRODUCTS

(2.01) GUNPORT: Standard GP4 Gunport with UL label by Chicago Bullet Proof Systems, 12 E. Old Mill Lane, Burr Ridge, IL 60527, tel: 800.690.9160, fax: 312.492.7406. *Non-UL labeled assemblies are not acceptable.*

- A. Chicago Bullet Proof Systems Standard GP4 Gunport with UL label for assembly shall be constructed from UL listed Shot-Tex bullet-resisting steel and shall bear a UL label. Gunport shall be the following type(s):
 - 1. Wall Mount Type GP4: Complete with Cover of Shot-Tex #1-S, stainless steel with satin finish; Slide and Mounting Plate of Shot-Tex #4A1 shall be prime painted flat black.
- B. Weapon opening shall be 8 inches wide (or 12 inches) by 4 inches high.
- C. Trigger plate shall completely cover firing port when not in use. Trigger plate shall be tamper resistant from the threat side and shall open on the non-threat side by sliding vertically. Trigger plate shall be spring-loaded for closing and shall be self-latching when closed.
- D.. Gunport shall be UL listed and labeled to ballistic level defined in the Standard for Safety UL 752 for level* level 4.

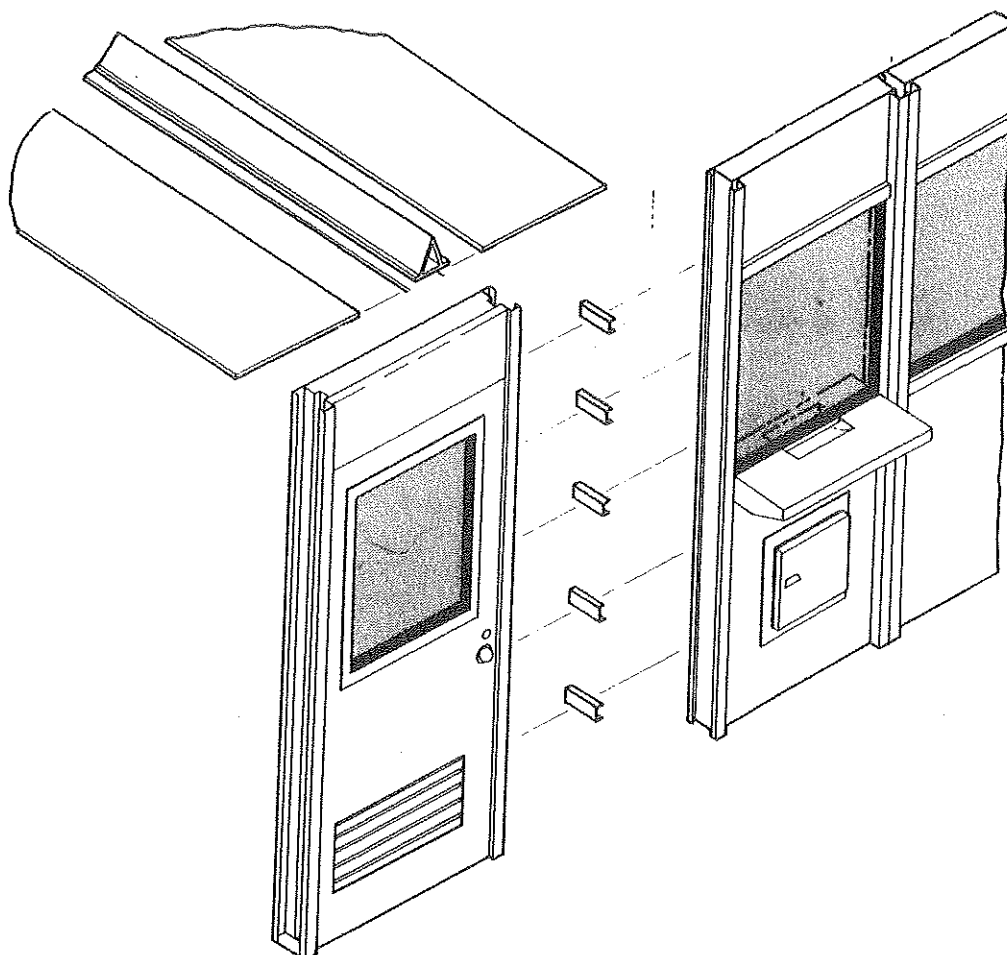
** Consult CBP's list of UL label definitions to select the best level for your application.*

PART 3 - EXECUTION



**BULLET RESISTANT
MODULAR GUARD ENCLOSURES**

MGE



APPLICATIONS - INTERIOR/EXTERIOR USE
for fully enclosed or self-contained bullet resistant rooms or buildings, point of sale areas, parking lots, toll collection, guard stations, self-service gas stations.

CODE COMPLIANCE

Assemblies are listed and labeled by Underwriters Laboratories, Inc. (UL) under *Standard for Safety UL 752, Bullet-Resisting Equipment* for:

★Level 1, ★Level 2, ★Level 3, ★Level 4

Consult CBPS for higher levels.

A label bearing certification is affixed to the protected side of frame.

DESCRIPTION

MGE is a modular system of wall panels which can be connected to create continuous walls or enclosures. Panels are easier to carry into buildings and down narrow passage ways. They can be disassembled and rearranged if desired for relocation. MGEs can also be used to create large guard enclosures which could not be shipped prefabricated.

PANELS ARE AVAILABLE IN THE
FOLLOWING UNITS:

-Flush panel, panel with vision window, panel with teller window, panel with door, ceiling panel, corner post.

OPTIONS:

-Gunport, package passer, and louver.
-Connectors are provided for connecting panels together.

SIZES

-Suggested not to exceed 36" w x 120" h for handling purposes.

FINISH

-Prior to shipment, panels are degreased, all welds are ground smooth, and assemblies are spray-painted with rust-inhibiting primer.

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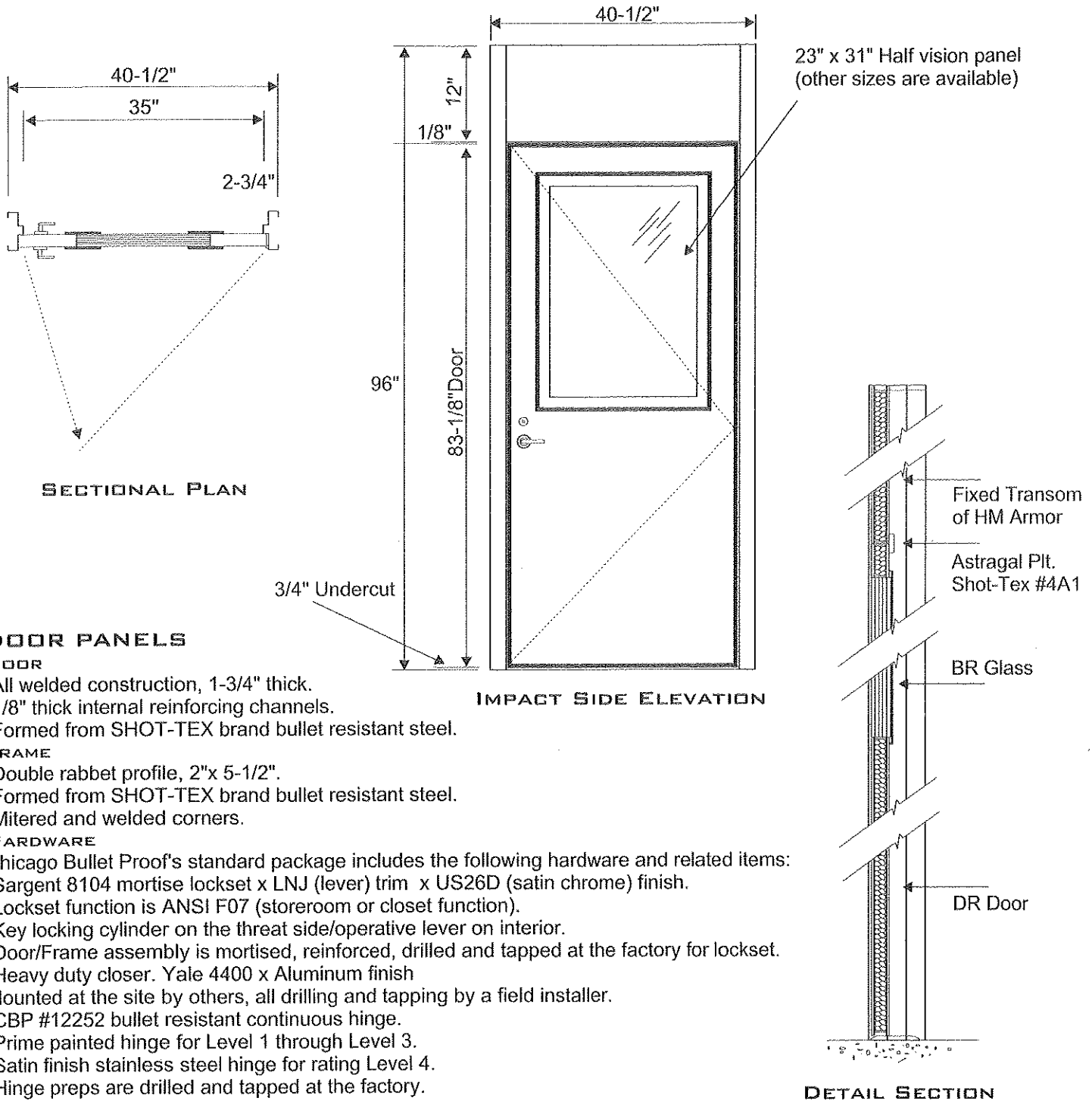
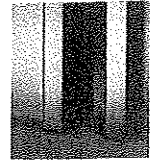
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MGE



**BULLET RESISTANT
MODULAR GUARD ENCLOSURES**



DOOR PANELS

DOOR

- All welded construction, 1-3/4" thick.
- 1/8" thick internal reinforcing channels.
- Formed from SHOT-TEX brand bullet resistant steel.

FRAME

- Double rabbet profile, 2"x 5-1/2".
- Formed from SHOT-TEX brand bullet resistant steel.
- Mitered and welded corners.

HARDWARE

Chicago Bullet Proof's standard package includes the following hardware and related items:

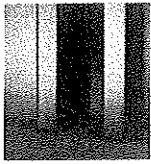
- Sargent 8104 mortise lockset x LNJ (lever) trim x US26D (satin chrome) finish.
- Lockset function is ANSI F07 (storeroom or closet function).
- Key locking cylinder on the threat side/operative lever on interior.
- Door/Frame assembly is mortised, reinforced, drilled and tapped at the factory for lockset.
- Heavy duty closer. Yale 4400 x Aluminum finish
- Mounted at the site by others, all drilling and tapping by a field installer.
- CBP #12252 bullet resistant continuous hinge.
- Prime painted hinge for Level 1 through Level 3.
- Satin finish stainless steel hinge for rating Level 4.
- Hinge preps are drilled and tapped at the factory.
- Silencers.

STANDARD HARDWARE OPTIONS

- Folger Adams 712 electric strike x 24VAC x LBM x US26D (satin chromium) finish.
- (Access control and transformer for electric strike are by others)
- UL Listed bullet-resisting ventilatant louvre: LVU series louvre panel, 24" wide x 12" high.
- Batt fiberglass insulation, Threshold and Weatherstrip.

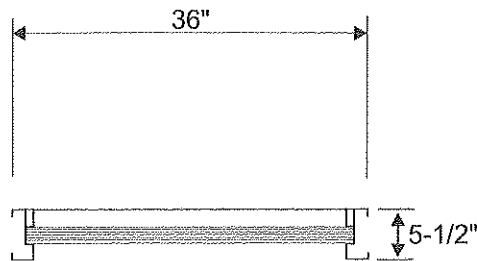
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**BULLET RESISTANT
MODULAR GUARD ENCLOSURES**

MGE



SECTIONAL PLAN

WINDOW PANELS

TRANSPARENT ARMOR

- UL Listed bullet resistant transparent armor supplied with frame.
- Shipped in a separate crate.
- Includes acoustic rubber spacers for seating transparent armor into framing for transaction windows.
- Field glazing is required.
- Laminated glass is standard

Optional transparent armors: Glass clad polycarbonate, Glass clad polycarbonate with air gap, Laminated polycarbonate, Acrylic.

TRANSACTION WINDOW PANELS

DEAL TRAY & SILL

- For transacting items not to exceed 12-3/4" in width x 1-5/8" in height.
- Satin stainless steel finish.
- Sill runs width of window.

OPTIONAL LEDGE FEATURE

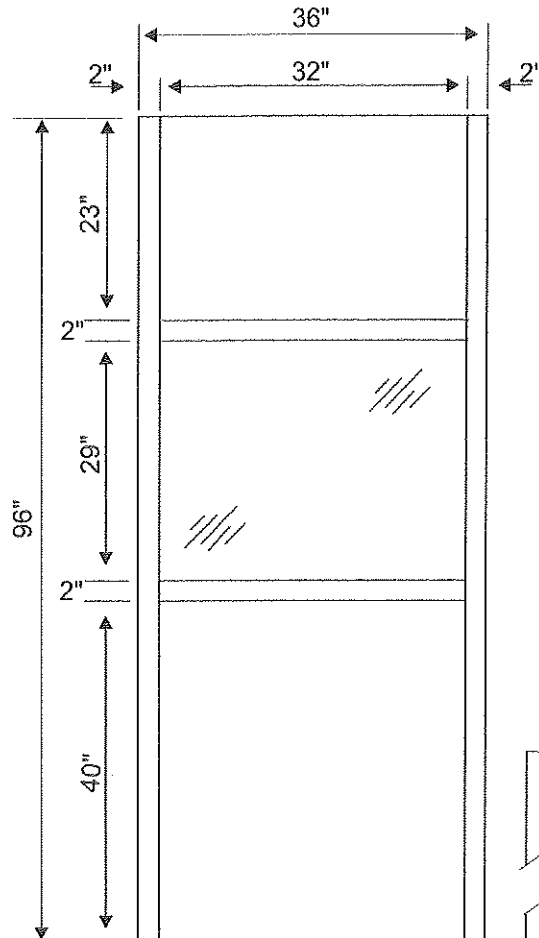
- 6 1/2" stainless steel writing ledge extending the full width of the sill.
- On either or both sides of window.

This option is an integral part of the sill and available only at the time of ordering.

OPTIONS

- PP PACKAGE PASSER - See standard data sheet.
- GP3 OR GP4 GUNPORT - See standard data sheet.
- LOUVRE - See standard data sheet.
- CUSTOM SHROUDS FOR HVAC AND ELECTRICAL OR PLUMBING PENETRATION.

CUSTOM-BUILT UNITS AVAILABLE.

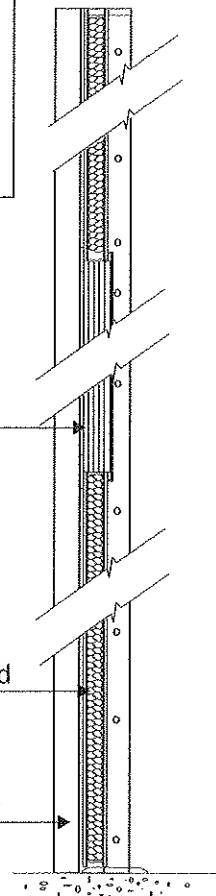


**IMPACT SIDE
ELEVATION**

BR Glass

Fiberglass Insulation
Semi-rigid Inorganic Glass Fiber Board

HM Armor



DETAIL SECTION

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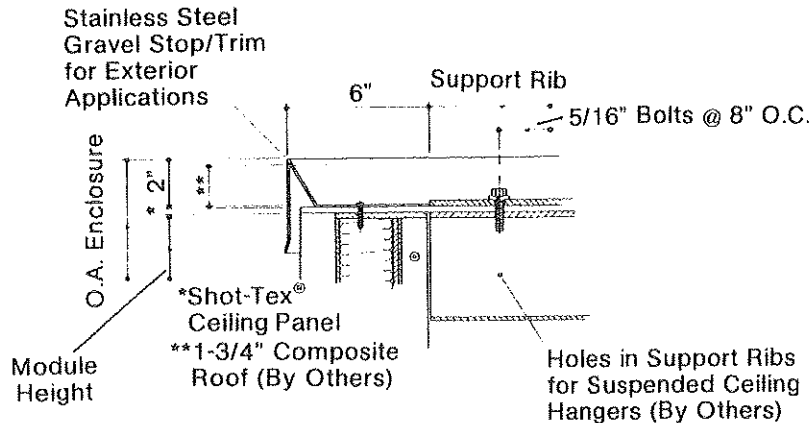
MGE



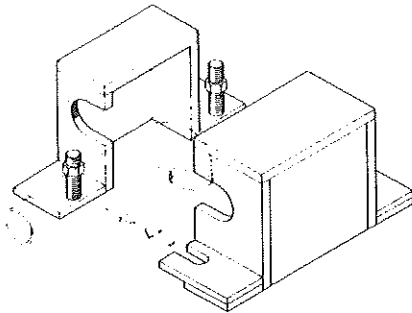
**BULLET RESISTANT
MODULAR GUARD ENCLOSURES**



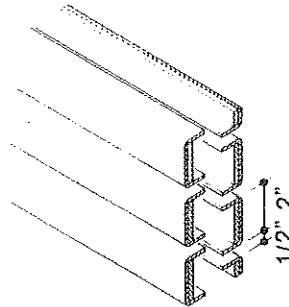
MISCELLANEOUS DETAILS



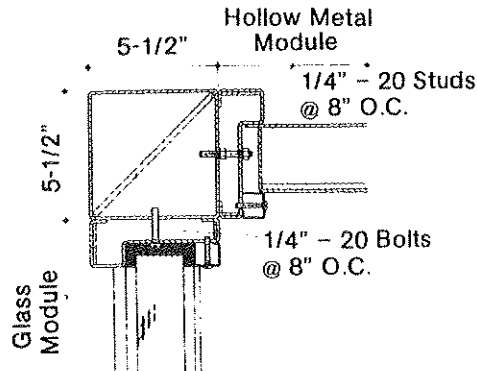
CEILING ARMOR
(Vertical Cross Section)



**PLUMBING/ELECTRICAL
PENETRATION SHROUDS**



LOUVRE PANELS



CORNER POSTS
(Horizontal Cross Section)

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MODEL MGE

PART 1 - GENERAL

PART 2 - PRODUCTS

(2.01) BULLET RESISTANT MODULAR GUARD ENCLOSURE PANEL ASSEMBLIES: Standard MGE panel assembly with UL label by Chicago Bullet Proof Systems, 12 E. Old Mill Lane, Burr Ridge, IL 60527 tel: 800.690.9160, fax: 312.492.7406. *Non-UL labeled assemblies are not acceptable.*

- A. Chicago Bullet Proof Systems Standard MGE Panel Assembly with UL label for assembly. MGE panel shall be constructed from UL listed Shot-Tex bullet-resistant steel and shall bear a UL label.
- B. Finish: All exposed welds shall be ground smooth and assembly shall be given a spray coat of rust-inhibiting primer at the factory.
- C. Frame: Frame profile shall have a 2 inch face dimension by 5-1/2 inch depth. Corners shall be mitered, welded and ground smooth. Frames shall be prepped for mounting to adjacent walls and corner posts and shall be supplied with connectors for installation.
- D. Doors: Doors shall be of all welded construction. Doors are 1-3/4 inches thick with 1/8 inches thick internal reinforcing channels.
- E. Preparation: Door/Frame assembly shall be mortised, reinforced, drilled and tapped at the factory in preparation for mortise lockset.
- F. Hardware and Accessories: Provide the assembly manufacturer's standard door package hardware and accessories, including:
 - 1. Sargent 8204 mortise lockset with LNJ lever trim or equal.
 - 2. A Yale 4400 heavy duty closer.
 - 3. Continuous CBP #12252 stainless steel bullet-resisting hinge shall be drilled and tapped at the factory.
 - 4. Other hardware shall include 3 Glynn-Johnson #64 silencers and 6 adjustable strap anchors for masonry walls.
 - 5. Other options: **Electric Strike**, Folger Adam 310-2-3/4, 24VAC. x LCBMA x (satin chromium)finish. (Note: Access control and transformer for electric strike are supplied by installer) **Insulation** is batt type fiberglass. **Threshold** of extruded aluminum with mill finish. **Weather-stripping** at head and jambs with self-adhesive silicone seal. **EMA prep:** manufacturer provides bolt and screw anchor preparation and proper frame reinforcement. (Note: Bolt or screw anchors are provided by installer)
- G. Vision panel: Vision panel shall be _____ inches wide by _____ inches high with flush appearance on threat side and applied glazing stops on the protected side. Stops shall have mitered corners and the same finish as the door.

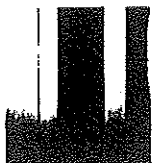
- H. Glass Armor: UL 752 listed bullet resistant transparent laminated type glass (or type glass clad polycarbonate) of _____ (see below) thickness and UL listed level _____ (see below). Manufacturer shall furnish acoustic rubber spacers. All other glazing materials shall be provided by glazier.

<u>Glass Thickness</u>	<u>Glass Clad Polycarbonate</u>	<u>UL level*</u>
1-3/16"	3/4"	level 1
1-1/2"	1"	level 2
1-3/4"	1-3/16"	level 3
2"	1-1/4"	level 4
	2-3/8"	level 5
	2-3/8"	level 8

- I. MGE panel assembly shall be UL listed and labeled to ballistic levels defined in the Standard for Safety UL 752 for level* _____ (select one: level 1, level 2, level 3, or level 4)

** Consult CBP's list of UL label definitions to select the best level for your application.*

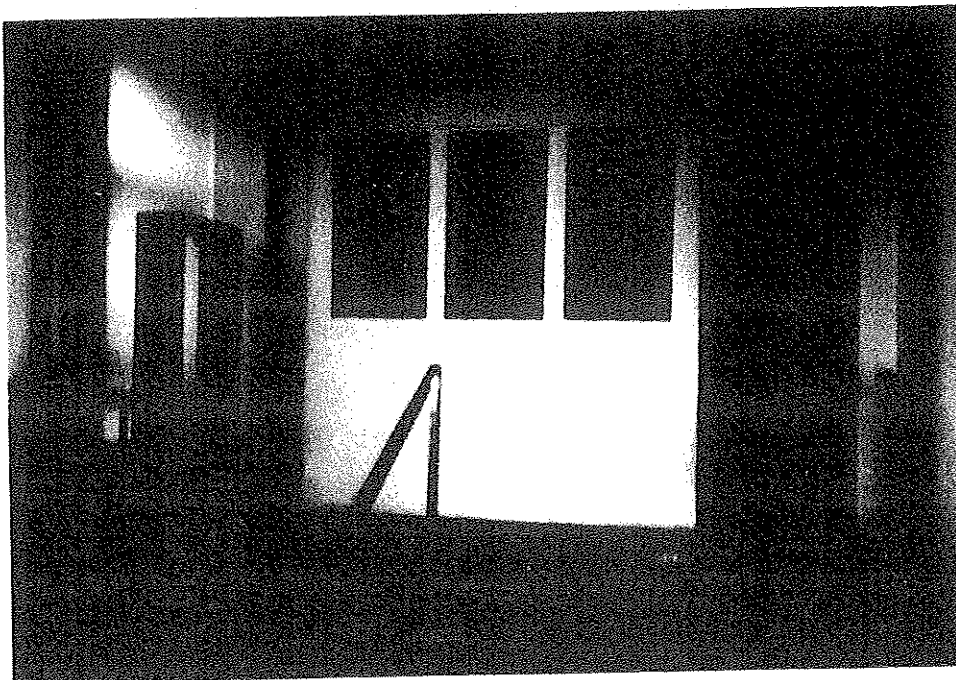
PART 3 - EXECUTION



BULLET RESISTANT

TRANSPORTABLE GUARD ENCLOSERS

TGE



APPLICATIONS -

Fully enclosed bullet resistant shelters provide secure working environments for vital operational areas such as entry control checkpoints, central alarm stations, sensitive material storage, surveillance posts, field payroll offices.

CODE COMPLIANCE

Assembly is only manufactured from materials (steel and glass) which are UL listed and labeled by Underwriters' Laboratories, Inc. (UL), under Standard for Safety UL 752, Bullet Resisting Equipment for:

*Level 1, *Level 2, *Level 3, *Level 4,
*Level 5, *Level 6, *Level 8

NO UL LABEL IS AVAILABLE WITH THIS UNIT

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DESCRIPTION

TGE are prefabricated and assembled enclosures with surround vision and door access. Typical units include interior and exterior finishes, and other options as required. At the site TGEs are offloaded and anchored to prepared pads or tower structures. The necessary services are then connected making the TGEs ready for staffing in a fraction of the time required to construct enclosures using conventional building materials.

FINISH

-Prior to shipment, panels are degreased, all welds are ground smooth, and assemblies are spray-painted with rust-inhibiting primer.

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TGE



**BULLET RESISTANT
TRANSPORTABLE GUARD ENCLOSERS**



FEATURES

DOOR

- All welded construction, 1-3/4" thick.
- 1/8" thick internal reinforcing channels.
- Formed from SHOT-TEX brand bullet resistant steel.

HARDWARE

Chicago Bullet Proof's standard package includes the following hardware and related items:

- Sargent 8104 mortise lockset x LNJ (lever) trim x US26D (satin chrome) finish.
- Lockset function is ANSI F07 (storeroom or closet function).
- Key locking cylinder on the threat side/operative lever on interior.
- Door/Frame assembly is mortised, reinforced, drilled and tapped at the factory for lockset.
- Heavy duty closer. Yale 4400 x Aluminum finish
- Mounted at the site by others, all drilling and tapping by a field installer.
- CBP #12252 bullet resistant continuous hinge.
- Prime painted hinge for Level 1 through Level 3.
- Satin finish stainless steel hinge for rating Level 4.
- Hinge preps are drilled and tapped at the factory.
- Silencers.

STANDARD HARDWARE OPTIONS

Folger Adams 712 electric strike x 24VAC x LBM x US26D (satin chromium) finish.

(Access control and transformer for electric strike are by others)

- UL Listed bullet-resisting ventilant louvre: LVU series louvre panel, 24" wide x 12" high.
- Batt fiberglass insulation, Threshold and Weatherstrip.

WINDOW PANELS

TRANSPARENT ARMOR

- UL Listed bullet resistant transparent armor supplied with frame.
- Shipped in a separate crate.
- Includes acoustic rubber spacers for seating transparent armor into framing for transaction windows.
- Field glazing is required.
- Laminated glass is standard

-Optional transparent armors: Glass clad polycarbonate, Glass clad polycarbonate with air gap, Laminated polycarbonate, Acrylic.

- HVAC with bullet resistant shroud fabricated of UL listed bullet resistant Shot-Tex steel
- Roof, walls and optional floor are fabricated from UL listed bullet resistant Shot-Tex steel
- Insulation fills the cavities of the wall, roof and floors.
- Removable lifting eyes for crane handling or underpinning for forklift handling
- Suspended ceiling grid with recessed lighting fixtures
- Electrical work conforms to the National Electrical Code. Floor or roof fed distribution panel with grounded surface mounted duplex receptacles, circuits as needed to supply interior and exterior power requirements.
- One continuous stainless steel counter

OPTIONS

- PP PACKAGE PASSER - See standard data sheet.
- GP3 OR GP4 GUNPORT - See standard data sheet.
- LOUVRE - See standard data sheet.
- CUSTOM SHROUDS FOR HVAC AND AND ELECTRICAL OR PLUMBING PENETRATION.

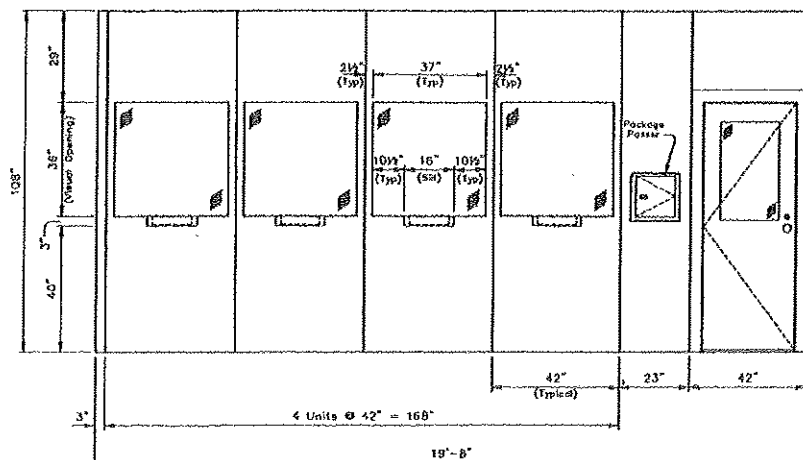
CUSTOM-BUILT UNITS AVAILABLE.

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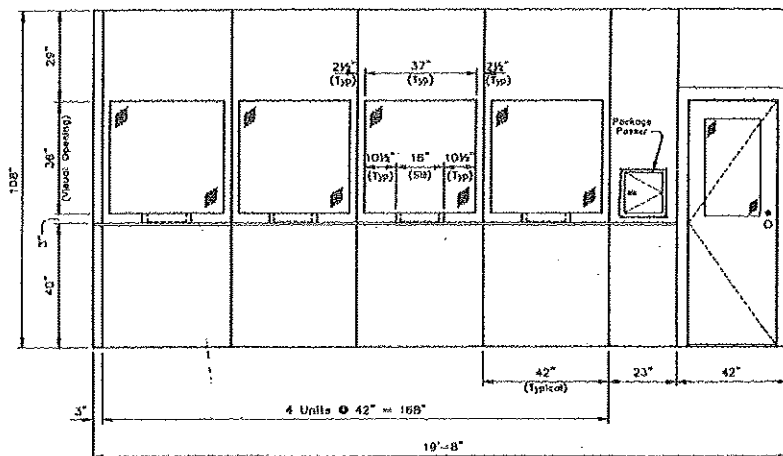
CX

BULLET-RESISTING PANELIZED CHECK CASHING SYSTEM



Customer Store Front
(20' - 0" Nominal Store Front)

Customer Store Front
Optional Counter Shown
(20' - 0" Nominal Store Front)



APPLICATIONS/BENEFITS

Chicago Bullet Proof's CX Check Cashing System is a fully enclosed modular bullet-resisting assembly that provides protection from armed robbery or intrusion. Installations of the modular system are found in check cashing facilities, currency exchanges, credit unions and financial institutions.

The design of the prefabricated panel system allows for several key features:

- Rapid, on-site installation.
- Interchangeable panels to suite any floor layout.
- Flexibility in panel arrangement.
- Clean, flush appearance.
- Safe and secure enclosure.
- High quality materials that resist abuse and allow low-cost maintenance.
- Quick ordering and implementation.
- Applicable for retrofit or new construction.

**Chicago
Bullet Proof**

METALTEK FABRICATING, INC.
d/b/a CHICAGO BULLET PROOF SYSTEMS
2595 BOND ST.
UNIVERSITY PARK, IL 60484

5194

Four panel configurations are available: flush panel, vision panel, teller window panel, and door panel. Options such as counterwork extending the full width of the modular system (on one or both sides), cash drawers, and package passer units are available. Two examples of a typical straight wall layout of a hardened check cashing facility are shown above.

CODE COMPLIANCE

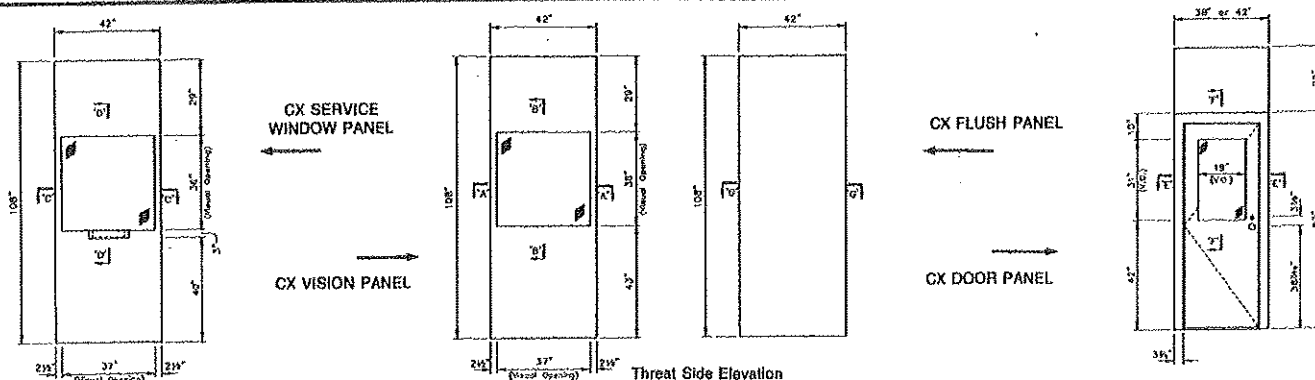
The materials used in the assembly of each CX panel are listed by Underwriters' Laboratories, Inc. as being bullet-resisting in accordance with *Standard for Safety UL 752* for the Super Power Small Arms (SPSA) ballistic level. This covers .44 Magnum Revolver handguns.

PANEL CONSTRUCTION

Each partition is constructed from Chicago Bullet Proof's brand of certified Shot-Tex® #11 bullet-resisting steel in an "all welded" assembly. This type of construction forms a double wall of steel, with a layer facing the threat side and another facing the inside of the enclosure. Each has a depth of 3".

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CX BULLET-RESISTING PANELIZED CHECK CASHING SYSTEM



CX SERVICE AND VISION PANELS

■ TRANSPARENT ARMOR

The CX Teller and Vision Window Panels contain UL Listed bullet-resisting transparent armor, 1 3/4" thick. (CBP does not factory glaze the CX panel; this is the responsibility of the installer.) The transparent armor is secured into each panel by a formed glazing stop bolted to the interior access cover with pan head screws at 8" O.C. Chicago Bullet Proof provides acoustic rubber spacers for seating transparent armor into panel.

■ DEAL TRAY

The CX Service Panels are used for transacting smaller items through the UL Listed top-of-counter deal tray, 12 3/4" in width x 1 5/8" in height. The CX Service Window panels feature an acoustically balanced voice transmission system that is enhanced by openings in the deal tray and between the rubber spacers.

The deal tray is satin stainless steel #3 throughout.

CX FLUSH PANEL

CBP provides the Flush Panel for areas where more privacy is required or where conditions for a solid panel is best suited. It is an opaque panel constructed of Shot-Tex #11 bullet-resisting steels.

DOOR PANEL

The CX system comes equipped with an entrance door panel constructed from Shot-Tex #11 bullet-resisting steels. The door frame has a single rabbet profile 2 1/8" x 3" and includes the following hardware components and related items:

- Sargent 7704 mortise lockset x OB trim x US26D (dull chrome) finish.
- Heavy duty closer in sprayed aluminum finish.
- CBP #12252 bullet-resisting continuous hinge.
- Glynn-Johnson #64 silencers.
- 19" x 31" vision panel of UL Listed bullet-resisting glass, SPSA ballistic level, 1 3/4" thick, factory glazed.

PACKAGE PASSER

To accommodate commercial customers, the CX Package Passer (PP) is available for transferring currency bags and other items too large for passage through the deal tray. The PP units have vertically hinged, mechanically interlocking doors which are controlled by the teller. This means that only one door can be opened at a time, assuring a layer of armor is between the employee and the public at all times.

- UL certified to meet the SPSA threat level.
- Clear inside capacity of 14 3/8" wide x 11 5/8" high x 12 5/8" deep.
- Constructed from Shot-Tex #11 bullet resisting steel.
- Standard flat black painted finish, optional stainless steel front door.
- Heavy duty continuous hinge on both doors.
- Exterior door utilizes a formed satin stainless steel pull, LHRB swing.
- Interior door uses a three position control handle, brushed finish, LH swing.

SYSTEM ASSEMBLY

The panels are connected by bolts at intervals of 16" O.C. A formed guard angle consisting of Shot-Tex #1 steel at each bolt connection is attached to maintain the ballistic resistance. A 3" wide removable steel access plate is applied by hook and loop ("Velcro") type fasteners on the interior of the adjoining panels to conceal the bolt connections. CBP will also provide corner posts for two or more sided conditions that bolt to adjacent panels.

Once assembled, the system is attached to the existing floor surface with the included floor anchors. The modular panels are attached to the ceiling structure for one or two sided applications (i.e. between two existing walls) through the use of a top support angle. For three-sided free-standing applications, CBP will supply a hardened ceiling mounted to a ceiling support angle attached to the interior panel structure.

FINISH

After Fabrication and prior to fitting door panel for lockset, each panel is degreased using a phosphate wash. All imperfections are filled, the welds are ground smooth and each CX component is spray painted with a rust-inhibiting semi-gloss light grey primer.

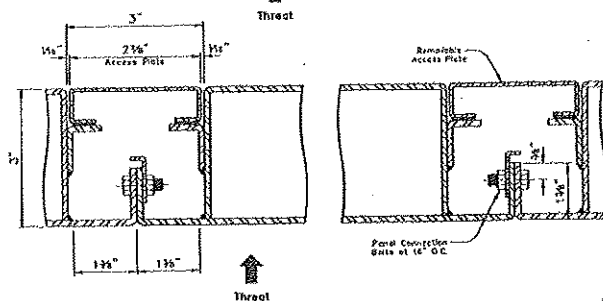
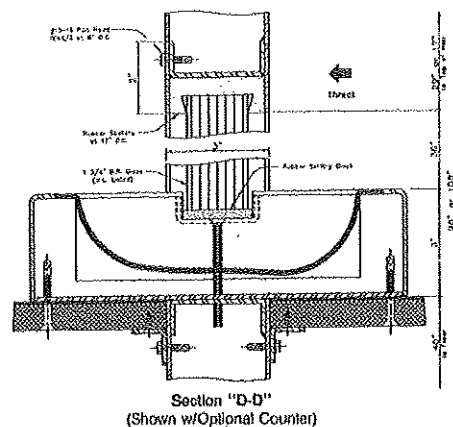
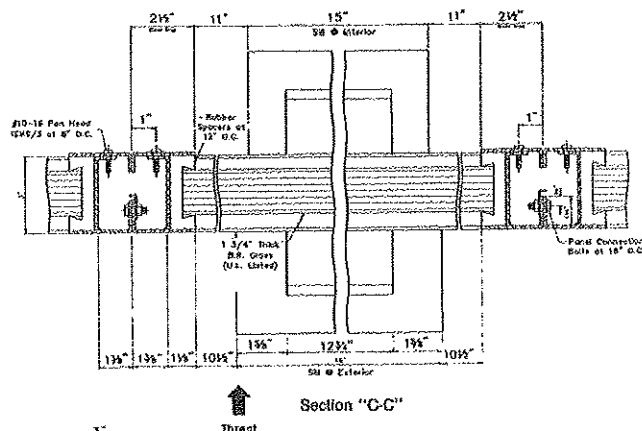
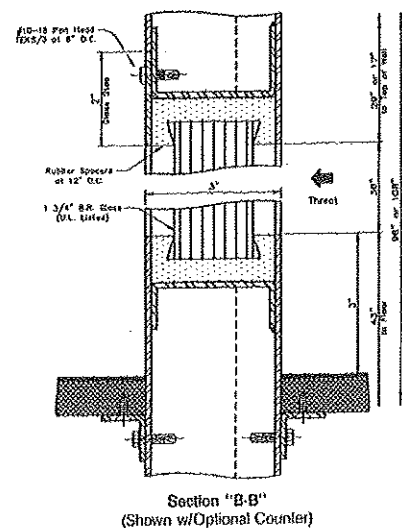
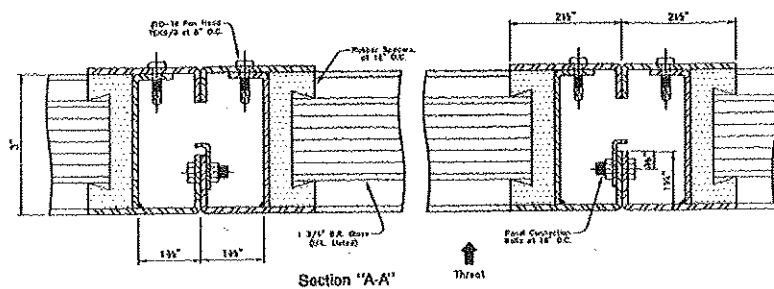
STANDARD SIZES

Panels are available in standard sizes of 42" wide x 96" or 108" high.

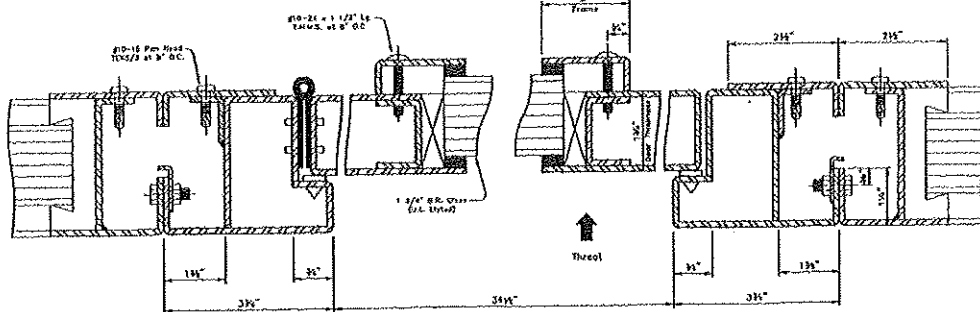
PANEL MODE	O.A. SIZE	PANEL WEIGHT (LBS.)
Vision Panel	42" x 96"	610
	42" x 108"	650
Service Panel	42" x 96"	640
	42" x 108"	680
Flush Panel	42" x 96"	460
	42" x 108"	500
Door Panel	38" x 96"	455
	42" x 96"	460
	38" x 108"	465
	42" x 108"	500
Corner Post	3" x 96"	60
	3" x 108"	65
Ceiling Support Angle	Varies	4 #/LF
Ceiling Panels	Varies	8 #/SF

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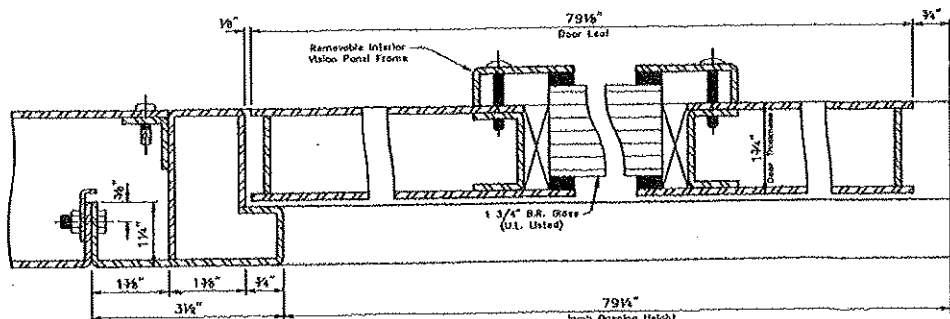
CX BULLET-RESISTING PANELIZED CHECK CASHING SYSTEM



Section "G-G"



Section "H-H"



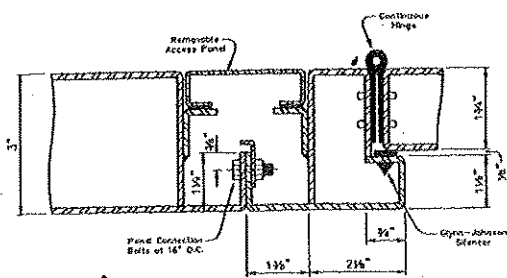
Section "J-J"



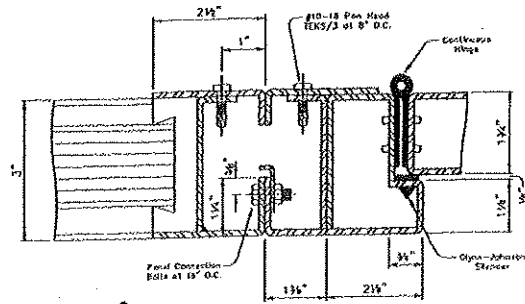
CHICAGO

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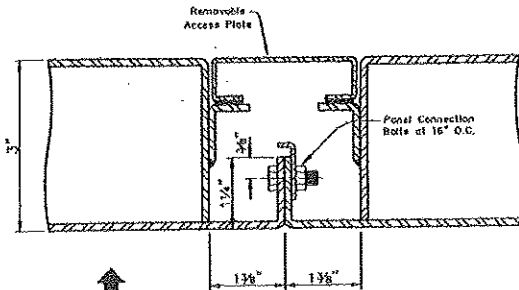
METALTEK FABRICATING, INC.
d/b/a CHICAGO BULLET PROOF SYS
2595 BOND ST.
UNIVERSITY PARK, IL 60484



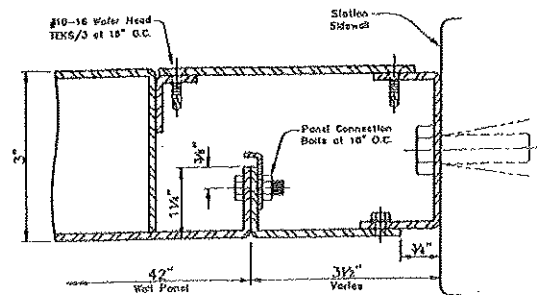
Panel to Door
(Above & Below Glass Area)



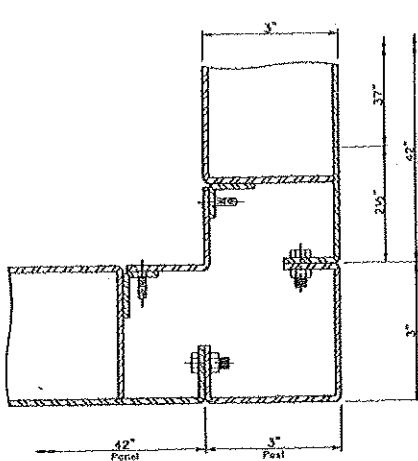
Panel to Door
(@ Glass Area)



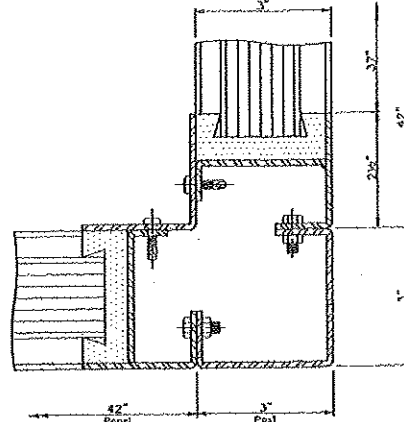
Panel to Panel



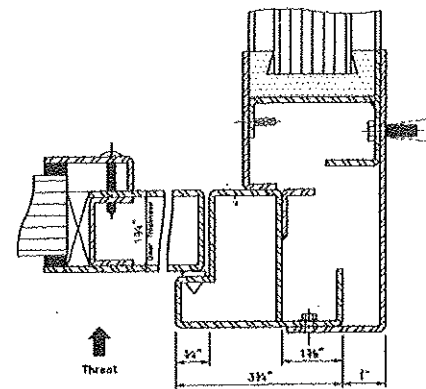
Panel to Wall



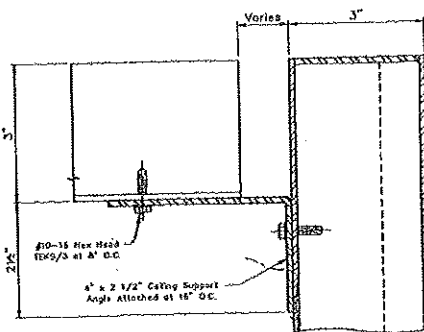
Corner Post Detail
(Above & Below Glass
or @ Flush Panels)



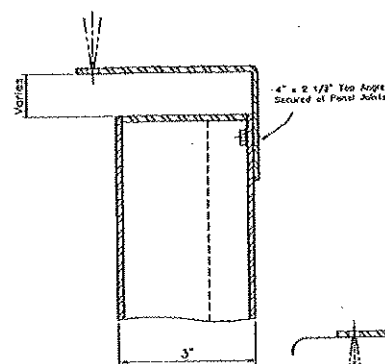
Corner Post Detail
(@ Teller Windows)



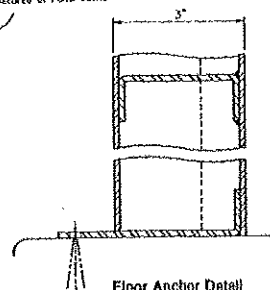
Door Frame at Sidewall



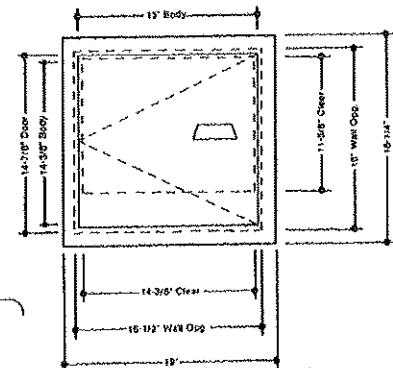
Top of Wall w/o Ceiling



Top of Wall w/Ceiling



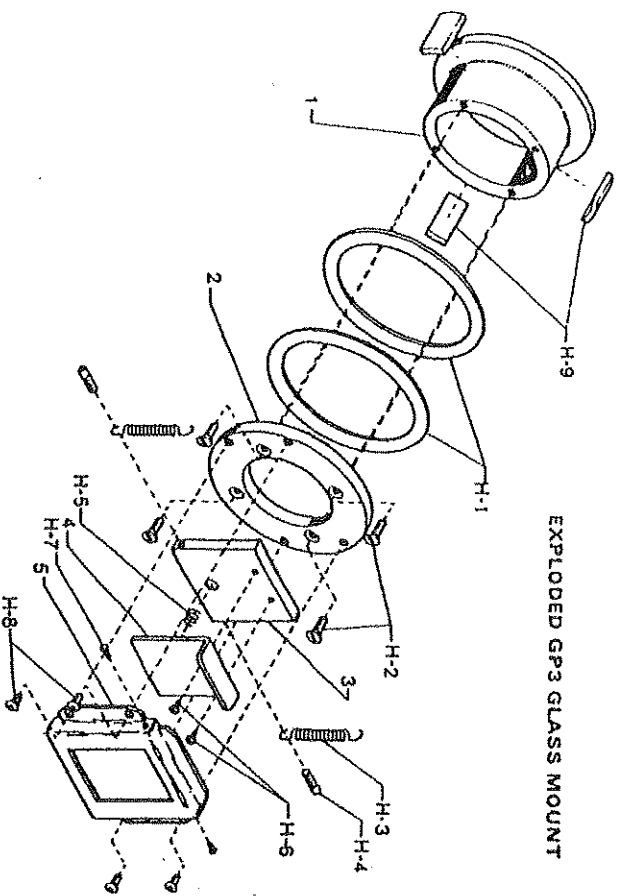
Floor Anchor Detail



Package Passer
Threat Side Elevation

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EXPLODED GP3 GLASS MOUNT

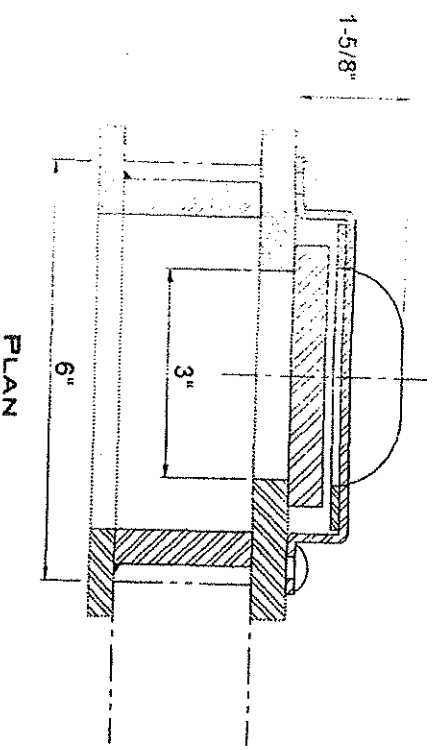
INSTALLATION PROCEDURE FOR GLASS MOUNT

- 1) Gunports are disassembled into the following sub-assemblies:
 - A. Part 1
 - B. Part 2
 - C. Parts 3, 4, and 5
- 2) Sub-assembly A with gasket (H-1) attached is inserted thru hole in transparent armor from the attack side. Note: there must be 1/4" clearance between the diameters of A and hole in the armor.
- 3) Parts H-9 are wedged between hole and A.
- 4) B, along with remaining Parts H-1, is attached to A with Parts H-2.
- 5) C is attached to A + B with Parts H-8.

INSTALLATION PROCEDURE FOR WALL MOUNT

The wall mount consists of the Gunport being attached to a 12" x 12" plate of Shot-Tex® steel. Gunport with plate is anchored to wall with four 3/8" diameter bolt anchors for SPSA; 1/2" diameter bolt anchors for HPR. Anchors are not supplied by factory, and must be suitable for wall conditions.

PART NO.	DESCRIPTION
1	Outer Ring and Cylinder
2	Inner Ring
3	Slide Plate
4	Slide Plate Latch
5	Cover
H-1	Gaskets
H-2	1/4" x 20 x 3/4" Flat Head Machine Screws
H-3	Spring
H-4	3/4" Nelson Studs
H-5	Spring
H-6	1/4" x 20 x 5/8" Cap Screws
H-7	#10-24 x 3/8" Pan Head Machine Screws
H-8	5/16" x 28 x 3/4" Allen Head Cap Screws
H-9	1/4" x 2" x 1" Rubber Pads

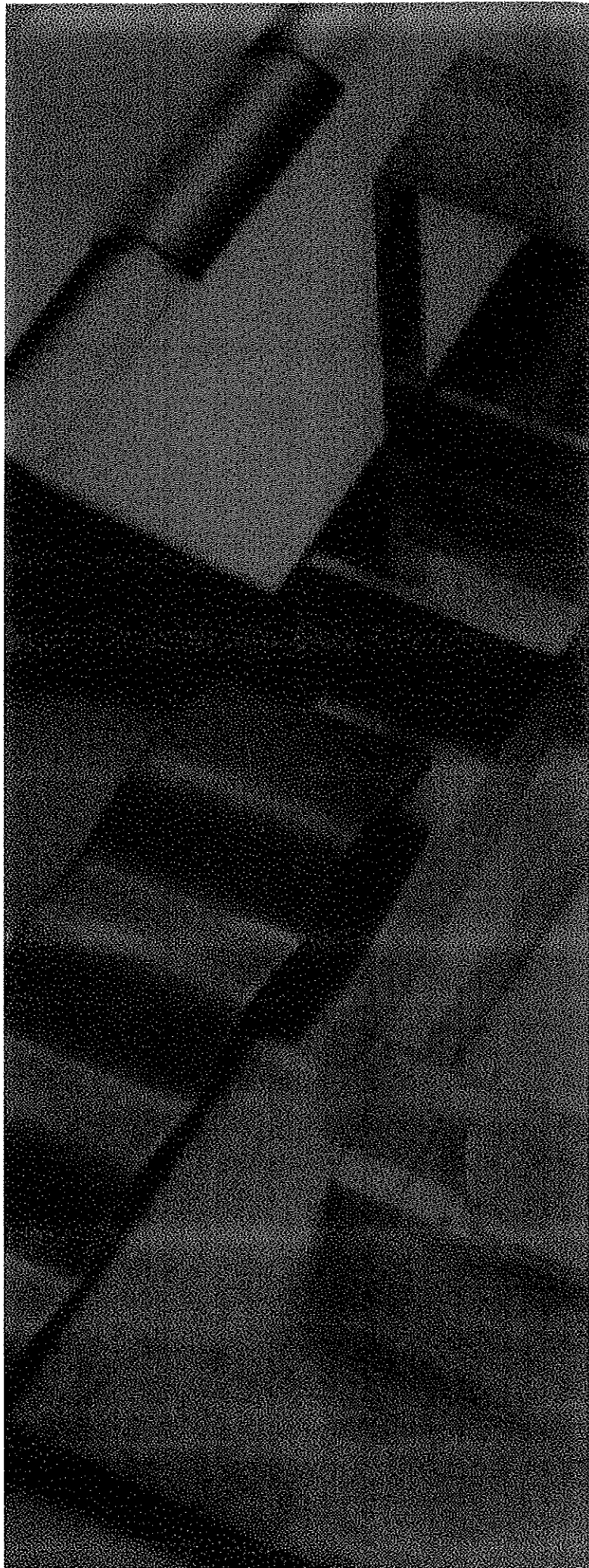


PLAN

GP3 GUNPORTS

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